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In the 90's: The School Leads the Way

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This issue of The Macdonald Journal is being sent as a gift by the Graduates' Society to all Class of '90 Graduates. We thank the Graduates' Society for this gesture and hope our new readers will find the magazine of interest. Keep in touch with your classmates and with Macdonald College by becoming a regular subscriber. A subscription form may be found on the inside back-cover.

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Cover

I have long thought that Convocation, with all its
colour and tradition, would make an ideal colour



cover. With this issue focussing on the School
of Dietetics and Human Nutrition, and with
two members of the staff and one graduate
members of the platform party, what better
occasion for a cover! What better photogra-
pher than our own Helen Rimmer! From left to
right, Jean Rawling, a Nutrition Major from
Calgary, Alberta, gave a well-received Vale-
dictorian address; Dr. Kristine Koski received
the Macdonald College Award for Teaching
Excellence and a standing ovation from her
students, and Dr. Harriet Kuhnlein, Director of
the School, presented the candidates for gradu-
ation. The School has undergone a number of
changes; there are several new staff members.
The goals, achievements, staff profiles, and
other pertinent information on the School
should be of interest to graduates and potential
students. I would like to thank all the School's
staff for their contributions to this issue, with
particular thanks to Professor Timothy Johns
for also sending by fax from Kenya a most
thought-provoking Focus Environment col-
umn. Do read it.

From the Dean's Desk



The School of Dietetics and Human Nutrition has come a long way in the last five years.

Under the able leadership of Dr. Harriet V. Kuhnlein, the School has a reputation as the fastest growing sector at Macdonald College.

At the undergraduate level, approximately 30 percent of Macdonald's students are enrolled in the School. The graduate program has grown from five to 25 students in three years, and predictions point to graduate student enrollment doubling to 50 within the next four years.

The School's two undergraduate majors, Dietetics and

Nutrition, are structured in such a way that our graduates have an edge on those from other institutions. For example, the three options in the Nutrition major are unique in Canada. Quebec universities produce 50 per cent of all registered dietitians in Canada and,

since many of our graduates are bilingual, they are highly employable.

The School currently employs nine tenure-track nutritionists and has made several cross appointments from other units, particularly the Faculty of Medicine. It is because of these excellent young faculty members that the post-graduate program in Nutrition at both the MSc and PhD level in the School has been able to combine quality and rapid growth.

Perhaps this year's Convocation best illustrates the leadership role the School is playing within the Faculty. The Macdonald College Award for Teaching Excellence was presented to Dr. Kristine Koski and the Valedictorian was Miss Jean Rawling, who graduated from the Nutrition major.

Roger B. Buckland

Dr. Roger B. Buckland
Vice-Principal (Macdonald College)
Dean, Faculty of Agricultural and Environmental Sciences

Open House at Macdonald College

by Linda Montreuil, Liaison Officer

The "Semaine des Sciences" is an annual event initiated in 1980 and inspired largely by McGill's longstanding Open House tradition. Because of its popularity over the years, the "Semaine" has been expanded to run from October 10th to the 30th and has been renamed the "Quinzaine des Sciences." Activities are being planned around the province in schools, CEGEPs, universities, and research institutions to promote science and the teaching of science in Quebec.

The timing could not be better for Macdonald College to get involved. With our new faculty name to promote, what better opportunity to open our doors and let people see what we're doing! Everywhere we turn right now, people at all levels (government and education) seem to be discussing the penury of science students. The question is how to

spark the interest and imagination of young students so that they will see a career in science as something desirable and fun. We have exactly what they're looking for right here. We have one of the most beautiful campuses around; we're part of a university with a world class reputation; we're involved in state of the art research in areas of topical interest, and we also have fun.

With the collaboration of the Macdonald College Students' Society, some of the activities traditionally associated with the Macdonald College Royal have been moved from February to the autumn to fit into the Quinzaine framework. Open House will kick off with a Career Day on Friday, October 12th, to which we will invite representatives from the various professional associations and companies who traditionally hire our



Jennifer Wells offers complimentary apples to visitors at the Alma Mater display during last year's Royal. Jennifer graduated in June with a major in Resource Conservation. Photo by Betty Wells.

graduates. Open house will continue over the weekend, highlighting the departmental displays and including a seminar series.

The School of Dietetics and Human Nutrition

New Goals and New Achievements

by Dr. Harriet V. Kuhnlein

Director, School of Dietetics and Human Nutrition



Dr. Harriet Kuhnlein, Director of the School of Dietetics and Human Nutrition, hands out pins to graduating students in the Dietetics major.

The last five years have shown some major changes in the School of Dietetics and Human Nutrition, and we are called upon to define our new goals and to demonstrate achievements. Changes in goals, achievements, and program directions are realities of all programs in all universities (in fact, in all public and private organizations and enterprises), and we recognize these as opportunities for growth and development.

Change is not a new concept in the history of the School. The newly released book "Macdonald College of McGill University 1907-1988, A Profile of a Campus" by Helen Neilson, a previous Director of the School, gives a wonderful documentation of how the School and other Macdonald units evolved and changed over the years. In particular, the name of the School and the name of the degree designated to its undergraduates has seen several changes up to the present time. Indeed, one cannot help but wonder how the future will continue to evolve our image and our "labels."

The most recent major changes that have had

a broad impact on the kinds of programs which could be offered by the School included: moving the Faculty of Education (and the program in Home Economics Education) to the Montreal campus of McGill; discontinuation, because of low enrollments, of the Home Economics Education major; and the division of the staff and programs from the School of Food Science into two units which became renamed as the School of Dietetics and Human Nutrition and the Department of Food Science and Agricultural Chemistry. This latter change was accomplished as a result of a McGill administrative review in 1983-84. In 1988 the degree BSc (FSc) was assumed by the Department of Food Science and Agricultural Chemistry for the Food Science major and the BSc(NSc) became the new designation for the two majors remaining in the School: the Dietetics major and the Nutrition major.

Staff Recruitment

When I came as the newly appointed Director of the School of Dietetics and Human Nutrition in December 1985, the major responsibility was finding a cohort of professors who could deal with all the challenges facing a School with an excellent historical record and that was facing the development of new goals and achievements. Certainly, a commending impetus was our undergraduate students - all 230 of them in the Dietetics major, mostly, and the Nutrition major. Thus, we searched for bright and energetic new professors who were experts in the various areas of human nutritional sciences. We also needed a subset of these new recruits who were trained in dietetics at their undergraduate level, and could thus address the specific needs of our large undergraduate enrollment in dietetics.

To make a long story short, in 4 1/2 years eight new professors were recruited from among the world's best universities. You can read about their backgrounds, the courses they now teach, and their research activities in the "Staff Profiles" article in this issue. Our professors who have training in dietetics are: Dr. Katherine Gray-Donald, Dr. Kristine

Koski, Dr. Arezoo Rojhani, Dr. Louise Thibault, and myself.

Our Professional Practice (Stage) in Dietetics, which has now graduated 11 classes, also brings a commanding presence of seven staff dietitians, including Linda, Jacobs Startkey, their University Coordinator, into our program. Their responsibility is to guide the students through their dietetics professional practice experiences in hospitals and various agencies. Linda will describe them more fully in her article in this issue.

A Few Words About Goals

Each September I address the entire student body of the School to introduce the professors and the stage coordinators, and to review the goals of the university, the students, and the staff. These goals remain with us more or less as constants. The dual goals of the university are:



Sandra Miniaci, a NSERC summer undergraduate fellow at work in one of the School's labs.

1. the preparation of students for professional careers utilizing the most advanced knowledge of society;
2. the continued generation of new knowledge through research.

The goals of students have always been:

1. excellence in completion of their degree program;
2. balancing their total education with extra-curricular activities.

Finally, the goals of professors, which are universal in all great universities are:



Deborah Binder, a Nutrition major, taking blood samples in one of the new labs in the School.

1. to achieve excellence in teaching;
2. to achieve excellence in research;
3. to achieve excellence in service to the university and to scientific and public communities.

The Undergraduate Program

Our two majors in the undergraduate curriculum now contain about one third of the total degree students in the Faculty of Agricultural and Environmental Sciences. The Dietetics majors (about 215 students each year) complete their program in 3 1/2 years, with 115 credits, including their stage courses. Courses in the social, biological, and managerial sciences develop the students' food and nutrition expertise in community nutrition, clinical nutrition, and food service management which meets the general concentration in dietetics of the Canadian Dietetic



A happy occasion: graduating students in the Dietetics major gathered for the December 1989 pin ceremony.

Association. This year the CDA will embark on accreditation services of all dietetics programs in Canada. By our special request, the Dietetics major at McGill will be the first to be reviewed for both the academic program and the Stage, or internship equivalent.

The Nutrition Major contains a total of 90 credits in three years, and has the opportunity for focussing in one of three possible options: nutritional biochemistry, nutrition and populations or nutrition of food. Usually, our Nutrition majors go on for work in nutrition or food industry laboratories, medical school, graduate school, or some type of private enterprise.

Graduate Study and Research

The research efforts of our professors are closely linked to the supervision of graduate students. In the last three years we have developed a Graduate Program in Human Nutrition in which we can now offer the MSc and PhD degrees from the School of Dietetics and Human Nutrition. We have grown in our graduate student cohort from five students in 1985 (who were then enrolled in the graduate program in Animal Science) to an enrollment of 25 students in 1989-90.

Our new staff members helped to define three streams of study at the graduate level: community or international nutrition, clinical nutrition and basic nutrition, usually with an animal model. Our professors and several cross-appointed professors from other units at McGill (such as Parasitology, Food Science, Animal Science, or Medicine) form committees and collaborations to help students develop their research programs. Most of these professors, including those in the School, are members of the McGill Nutrition and Food Science Centre, which forms a fine avenue for interactive research communication.

As can be imagined, research topics are diverse and exciting: lung disease and nutrition; nutrition and the immune response; pregnancy and child

growth in Malawi; PCBs and nutrition in the Arctic; cancer and nutrition; zinc and fibre in enteral nutrition; nutrition, diabetes and pregnancy; nutrients and toxins in essential third world foods; nutritional minerals and the elderly; carbohydrate nutrition and pregnancy; fatty acids and birth defects; nutrition, brain function and behaviour.

Achievements

Each year Principal Johnston requests an annual report documenting the achievements of each academic unit. This is no time to be modest because our continuing budget depends on documentation of our achievements! In 1989-90 we reported:

- an undergraduate student enrollment of 231 students and graduation of 47 of them;
- the Macdonald valedictorian was one of our Nutrition majors, Jean Rawling (see cover);
- the Macdonald Award for Teaching Excellence was awarded to one of our staff members, Dr. Kris Koski (see cover);
- our graduate student enrollment was 25 students, and we graduated three MSc students and one PhD student.
- our staff published 16 reviewed and original scientific papers and an internationally-acclaimed book by Dr. Johns;
- our staff presented 29 scientific reports at national and international conferences;
- the staff contributed 17 papers and a book to the public and popular literature, such as *The Macdonald Journal*;
- in all, our staff were responsible for close to \$1,500,000 in research grant operating funds on account or awarded in new grants;
- we completed the physical facilities for our new laboratories and offices in the Macdonald-Stewart Building and in Laird Hall, and continue to provide research equipment with help from McGill's administration, our friends, and research grants.

To be sure we have been busy. We hope you will agree that our goals are being met and that our achievements speak for themselves.

Staff Profiles: New Vigour and New Vision

As will be seen in the following profiles, the staff in the school of Dietetics and Human Nutrition come from a variety of backgrounds and bring with them expertise in a wide variety of fields. Each complements the other exceptionally well and the whole offers to both our undergraduate and postgraduate students a sound and thorough training in dietetics and human nutrition. As well, the knowledge and training that may now be found in the School offer some exciting and challenging potential in various research areas.



Professor Zafrallah Cossack is a Palestinian who completed his early schooling in Jordan. He graduated with an MSc degree in Nutrition from the University of Alexandria, Egypt, in 1974 and obtained his PhD from the University of Arizona in

1980. He spent a year working at the University of Arizona, and four years at the College of Medicine, Wayne State University, and the Medical Research Department of the Veterans Administration Hospital in Detroit, Michigan. From 1984 to 1989, Professor Cossack worked in Europe: in The Netherlands, Denmark, and England, he joined the staff in the School in 1989 as an Associate Professor. His teaching responsibilities include Nutritional Status Assessment at both undergraduate and graduate levels, and Introductory Nutrition.

Professor Cossack's current research interest is in trace elements which, he points out, constitute a total of less than one gram of the human body. Some trace elements are essential micronutrients and many of these inorganic elements constitute significant pollution hazards. His research interest focusses on the biochemical, physiological, and clinical effects of dietary zinc. Throughout the

past 10 years extensive experience has been acquired in producing zinc deficiency in human subjects through dietary manipulations. "This has enabled us," Professor Cossack said, "to study the metabolic effects of zinc in the human body and how it functions." Low levels of zinc in the diet result in several abnormalities, among which are: growth retardation, delayed sexual maturation, reduced appetite, delayed wound healing, and abnormal immune reactions.

"At present we are studying the mechanism of action whereby zinc exerts these effects," Professor Cossack explained. "An adult needs 12 mg of zinc per day. Low or high intake of zinc would affect the utilization of other metals such as copper - high intake of zinc reduces copper absorption."

Professor Cossack's future research plans include: studying the effect of zinc supplementation prior to conception on birth outcome; studying the relationship between aluminum in foods and Alzheimer's disease; exploring the effects of zinc on growth factors and on the immune system, and developing new methods for the assessment of the nutritional status in human subjects.

Again, as in Professor Cossack's pre-Macdonald days, his international work is spread out through several countries. He is conducting collaborative studies with universities or institutions in Sweden, Italy, Ireland, State of Bahrain, Jordan, and The Netherlands.

Professor Steven A. Esrey is the newest staff



member in the School, having started as an Assistant Professor at Macdonald in June of this year. He was most recently at the Johns

Hopkins University, School of Public Health in Baltimore, Maryland.

He earned a BA from Denison University, Granville, Ohio, where he majored in History. Upon graduation Professor Esrey worked as a social worker in Berlin, West Germany, on a farm in Israel, and in development work in the Sudan. This whetted his appetite for travel in exotic places and cultures. It was after this travel that he returned to graduate school. In 1982 he received a Master of Arts in Interdisciplinary Studies from Oregon State University, and his PhD from Cornell University, Ithaca, New York, was conferred in 1987. In graduate school he studied International Nutrition and Statistics and spent a year in Lesotho collecting his dissertation data. He has also travelled to other parts of Africa, Asia, and Central and Latin America for his work.

Steven Esrey is a specialist in evaluation of interventions, and his primary research interest is studying the health and nutrition effects following improvements in water and sanitation services in developing countries. He is a recognized expert in the water and sanitation field, where he has published widely and consulted for the World Health Organization (WHO), the World Bank, and the U.S. Agency for International Development (USAID), among other institutions.

Professor Esrey will continue his international research while at Macdonald College. He has become interested in how improved water and sanitation can improve child nutrition by freeing up time for mothers to provide better child care, and how these interventions can reduce the burden of parasites, which also cause child malnutrition. He is also interested in contamination of weaning foods.

Professor Esrey was recently involved in a feeding study that examined dietary intake of children during and after diarrhea. As part of a multidisciplinary team, he was responsible for the evaluation of population based feeding interventions in Peru and Nigeria. Most recently, he travelled to Indonesia to consult

with the University's Schools of Public Health to develop their undergraduate curriculum in nutritional epidemiology. In addition he assisted in their development of a new Master's of Health in Public Health Nutrition.

Professor Esrey will contribute to the undergraduate and graduate teaching programs in the School. His expertise is in Research Methods in Human Nutrition, which he will co-teach jointly with Professor Gray-Donald at the graduate level. He plans to develop a new course covering the problems in nutrition in developing countries, and will co-teach Instructional Communications, a course for undergraduates in public speaking.



Professor Katherine Gray-Donald tells us that one of the new and exciting areas of nutrition research is Nutritional Epidemiology,

a combination of two fields of study that have existed for a long time. Epidemiology is the study of the frequency and determinants of disease in human populations; thus Nutritional Epidemiology is concerned with the frequency of nutritional deficiencies or excesses and how such problems are related to disease.

"My own route to becoming a faculty member in this area was somewhat circuitous; after a basic science training at McGill, and nutrition course work at the University of Guelph, I worked as a community nutritionist in low income areas of Montreal throughout much of the 1970s. It gradually became clear that my greatest interest was in research in the area of public health. After completing a PhD in Epidemiology, I became a faculty member in Epidemiology and Biostatistics, and I have recently joined the School of Dietetics and Human Nutrition."

There is a growing interest in nutritional Epidemiology at the School and some of the graduate and undergraduate coursework reflects this new input. Community nutrition has already been injected with many of the principals of Epidemiology and Public Health to provide more of a health care team approach to nutrition activities. A new graduate research design course will reflect more and more this orientation. Research in the field of nutritional epidemiology is concerned with the health of population groups. Professor Gray-Donald's area of interest is in identification of nutritional problems in high risk groups within Canada and finding ways of improving nutritional status of these groups.

Two research projects are currently underway. The first is a description of the prevalence of iron deficiency anemia in young children living in poverty. Although this condition is not often found in middle class children, it is very apparent in poor children. The sources of iron rich foods and those foods which improve iron absorption are costly and difficult for these families to assure in adequate supply. The second concern, at the other end of the age spectrum, is our aging population, particularly those with chronic disease who are also at high risk of nutritional deficiency. Professor Gray-Donald said, "my work in this area focusses on patients with lung disease, many of whom suffer from chronic protein-calorie malnutrition. It is important to understand the causes of such malnutrition and to learn how to prevent it. From following a group of such patients, we have been able to establish that malnourished patients die sooner than those who are well nourished, even when they are equally ill. We plan to look more closely at treatment strategies to improve the nutritional status of this high risk group."

Professor Gray-Donald teaches Community Nutrition and co-teaches (with Professor Esrey) courses in Instructional Communications and Research Methods in Human Nutrition, a graduate course.

Professor Timothy Johns approaches issues



of nutrition and diet from a diverse background. He completed a BSc degree in biochemistry at McMaster University in 1972, and

after 5 1/2 years spent teaching in secondary schools in New Zealand and Canada and travelling in Asia and Latin America, he studied for an MSc degree in plant chemistry at the University of British Columbia. From there he moved to the University of Michigan where he completed his PhD in ethnobotany in 1985. His doctoral thesis that was based on a study of the role of the Aymara Indians of Bolivia in selecting for reduced levels of toxic glycoalkaloids in the domestication of the potato won the Council of Graduate Schools in the United States / University Microfilms International Distinguished Dissertation Award for 1985. Prior to coming to Macdonald College in 1987, Professor Johns was a postdoctoral fellow in natural products chemistry at the University of California, Berkeley.

Professor Johns' doctoral dissertation was the departure point for a book entitled "With Bitter Herbs They Shall Eat It: Chemical Ecology and the Origins of Human Diet and Medicine" that will be published by the University of Arizona Press this autumn. The theme of this volume is the backdrop for his current research on dietary interactions of humans with plant chemicals. Central to this work is the hypothesis that humans maintain a balance between nutrients and potentially toxic plant constituents that they consume. Plant compounds in the diet can provide defense against parasitic organisms. Many of these compounds were removed by techniques for preparing food and he believes that the origins of medicine can be found in the efforts of our ancestors through time to maintain the ecological balance between nutrients

and plant compounds with natural pharmacological value.

Testing of this hypothesis involves studies in both the field and the laboratory. Professor Johns is currently investigating aspects of traditional diet and medicine in Kenya and Tanzania. His studies on geophagy (consumption of edible clay) have taken him to several countries, and studies on the role of dietary nutrients and non-nutrients in relation to parasitic infection are being carried out in collaboration with faculty in the Institute of Parasitology.

As a NSERC University Research Fellow, Professor Johns' responsibility for the time being is first of all for research. He is the instructor of Sensory Evaluation of Food and the supervisor of two graduate students.

Professor Kristine G. Koski did her BSc and MSc studies at the University of Washington, Seattle, and her PhD and post-doctoral studies in Nutritional Biochemistry at the University of California, Davis. She came to Macdonald College as an Assistant Professor in the School in January 1987 and holds a joint appointment



as Assistant Professor in the Department of Medicine, Division of Experimental Medicine at the downtown campus of McGill University.

Since arriving, Professor Koski has taken the leadership to reorganize and revamp the Nutrition major and has given it a decided research focus. As one of the two Nutrition Advisors (with Professor Kubow), enrollment has increased from six students to

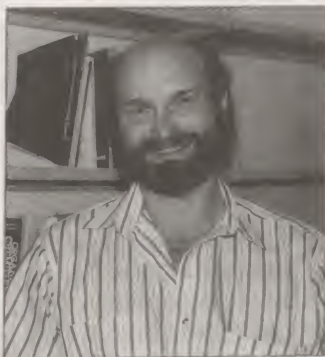
nearly 30. Her teaching responsibilities include Clinical Nutrition I and supervising the Nutrition Research projects at the undergraduate level. At the graduate level, she co-teaches Maternal and Child Nutrition with Dr. Kubow and Advanced Clinical Nutrition. At this year's Convocation, Professor Koski received the Macdonald College Award for Teaching Excellence.

Professor Koski's primary research interests focus on nutrition and pregnancy, low carbohydrate diets, carbohydrate metabolism, biochemical development of the fetus and neonate, and lactation and weaning practices.

Future projects include, in collaboration with Dr. Scott (Parasitology) and Dr. Stevenson (Immunology), the development of an interdisciplinary graduate training program in the area of nutrition, parasitology, and immunology.

Professor Koski is a member of the Canadian Dietetic Association and a Registered Dietitian in the American Dietetic Association, the Canadian Society for Nutritional Sciences, and an associate member of the American Institute of Nutrition.

Professor Stan Kubow is a biochemical nutritionist who is an assistant professor in the School. His research interests involve a variety of aspects of lipid nutrition and metabolism. These interests include: the role of dietary fats in fetal and maternal health; dietary fat modification of drug-induced birth defects; the effect of dietary fatty acids on prostaglandin and free radical formation; enzymatic mechanisms of drug-induced birth defects, and the role of fat intake on cholesterol metabolism.



Professor Kubow has found that omega-3 fatty acids (contained in cold-water fish and linseed, canola and soybean oil) interrupt an enzyme involved in drug metabolism called prostaglandin synthetase. This enzyme is believed to trigger birth defects induced by certain drugs. When mice were fed a diet containing omega-3 fatty acids, there was an 80 per cent decrease in drug-induced cleft palates (a common birth defect). His research is funded by the Medical Research Council of Canada and the Dairy Bureau of Canada.

In addition, Professor Kubow teaches courses on Maternal and Child Nutrition, Human Nutrition, and Research Methods in Dietetics and Human Nutrition at both the undergraduate and graduate levels.

He is a member of the Canadian Society of Nutritional Sciences and the Society of Toxicology of Canada.

Although Professor Harriet Kuhnlein has a substantial time commitment as Director of the School, she maintains an active research



program in her chosen field. Her orientation to research developed from a blend of her undergraduate training in dietetics from Penn State University, MSc studies in Nutrition at Oregon State University, and PhD work at the University of California at Berkeley. Throughout her studies, her interests centred in food (its composition and why people eat what they do) and nutritional status of cultural groups. It was during her PhD studies that concerns for the natural environment entered the research picture, and "cultural groups" developed into a focus on Indigenous Peoples.

Professor Kuhnlein's work with Indigenous Peoples began in Arizona with studies on lead and strontium in the traditional foods of the Hopi. She and her graduate students have worked with the Nitinaht and Nuxalk Peoples of British Columbia, and more recently (see *The Macdonald Journal*, Fall 1989) with the Inuit of Baffin Island and the Sahtú (Hareskin) Dene of the Mackenzie Delta area of the Northwest Territories. Her work on traditional food systems also extends to Latin America where she has worked in Cali, Colombia, and Guatemala. She has served as a consultant to many indigenous groups who have concerns on their nutrition and environmental quality.

Professor Kuhnlein was an Assistant and then Associate Professor of Human Nutrition at the University of British Columbia in the School of Family and Nutritional Sciences before taking the Directorship of the School at McGill. She was there for nine years. She is now completing a book with co-author Dr. Nancy Turner of the B.C. Provincial Museum in Victoria entitled "Traditional Plant Foods of Canadian Indigenous Peoples: Nutrition, Botany and Ethnic Uses."

Professor Kuhnlein teaches a graduate course in "Cultural Ecology of Human Food and Nutrition" and is an Associate Editor of the international journal *Ecology of Food and Nutrition*. She is a member of the Canadian and American Dietetic associations, the Canadian Society for Nutritional Sciences, and the American Institute of Nutrition. She has a major responsibility as co-chairperson of the International Union of Nutritional Sciences' Committee on Nutrition and Anthropology.

Professor Arezoo Rojhani explains that trace element nutrition in plants and animals has long been a topic of practical and esoteric research interest. However, only within the last two decades or so has it become a hot topic among investigators whose concerns are centred directly or indirectly around the nutritional and general physiological health



absorbed from the intestinal tract, its efficiency of utilization within the body, and the processes governing its excretion are all contributing factors.

Professor Rojhani's interest in the past has centred primarily on manganese absorption and utilization, and thus, bioavailability and bioutilization of manganese in humans as affected by other dietary factors. So far, a formal recommended dietary allowance has not been set for this nutrient because of a lack of sufficient data. Furthermore, because of scarcity of information on manganese contents of foods, manganese intakes are not usually included in nutrient intake surveys which further limits our knowledge of manganese requirement of humans.

Calcium and phosphorus are among dietary factors which have long been suspected to affect bioavailability of manganese in farm animals. Little information is available on the varying sources and levels of these minerals on absorption and retention of manganese in humans. This issue is of particular concern with respect to women who may take calcium supplements on a regular basis in order to ensure adequate intake of this nutrient and to prevent osteoporosis in later life. As part of Professor Rojhani's dissertation research at the University of Nebraska, Lincoln, she investigated the effect of different sources of calcium on utilization of manganese in young adults and elderly humans.

of humans. To eat an assumed adequate amount of a nutrient does not necessarily guarantee dietary sufficiency of that nutrient. The degree to which a nutrient is

Since Professor Rojhani's arrival in 1989, she have been responsible for teaching the undergraduate courses, Food Service Systems Management and Personnel Management to the Dietetic majors.

Professor Louise Thibault, an Assistant Pro-



fessor in the School of Dietetics and Human Nutrition, obtained her PhD from Laval University, Quebec. She was also at Laval as a post-doctoral fel-

low in neurochemistry.

At the undergraduate level, Professor Thibault teaches Food Fundamentals and Application of Food Fundamentals and is guest lecturer in Clinical Nutrition II. She has also been involved with the Advanced Clinical Nutrition course for graduates and is developing a graduate course in Nutrition and Behaviour.

Research Activities with her Natural Sciences and Engineering Council (NSERC)-funded undergraduate and graduate students:

1. Since 1987 Professor Thibault has had an operating grant from NSERC to study feeding behaviour in the rat.
2. In collaboration with the Lacombe Research Station, Lacombe, Alberta, the I.N.R.A., Jouy-en-Josas, France, and the Department of Medicine, Université de Montréal, Professor Thibault is conducting a three-year study for the Canada-Quebec Entente of Agriculture Canada to work on pig stress syndrome.
3. Starting in 1989, with funds from NSERC for a bilateral exchange program with the Japan Society for Promotion of Science,

(Continued on page 18)

The "Stage" and the Coordinator Team

by Linda Jacobs Starkey, University Coordinator
Professional Practice (Stage) in Dietetics, School of Dietetics and Human Nutrition



Joane Routhier Mayrand, Margaret Kestenbaum Ram, Linda Jacobs Starkey (University Coordinator), Maureen Lucas, Beth Armour, Mariette Samuel, Carol Norrad, Sandy Phillips Hutchins and Nathalie Ohnona Miller.

Previous articles have focussed on the undergraduate curriculum and growth of the dietetics practicum (Stage). It's now opportune to link staff research to undergraduate professional practice experiences and to see the interrelationship of the parts. The 40-week Stage is coordinated throughout the 3 1/2 year BSc Nutr. Sci. (dietetics). Each Stage varies from 6 to 16 weeks with rotations within a Stage of 3-6 weeks. While the three main areas of focus are clinical nutrition, community nutrition, and food service systems management, rotations at each level are tailored to meet specific Stage competencies which students must achieve. Integrating theory into practice requires experience in many areas: lipid disorders clinics, surgical and medical units, diabetes day centres, kidney dialysis units, eating disorders and food allergy centres, sports and fitness clubs, geriatric nursing homes and day centres, executive health programs, parenteral nutrition teams, community health departments and school nutrition programs, as examples. Foods and management opportunities are provided in hospitals, commissaries, commercial and private food service operations and commercial food and marketing industries. The theory from research transfers to class, and then from class and laboratories to dietetic practice by Stage placement experiences.

The Clinical Coordinators who supervise the

daily learning experiences have a wide variety of expertise which comes together to form the Stage team – planning objectives with me, as University Coordinator, and providing liaison with the dietitians and managers in the placement centres. My teaching and Stage responsibilities follow well on my dietetics formation from Nova Scotia and Montreal, MSc Nutrition from McGill, and experience in education in nutrition at McGill and the Royal Victoria Hospital. Seven Clinical Coordinators each bring a trait needed to make the Stage program whole and, while all are dietitians, each is unique.

Beth Armour graduated from Brescia College, University of Western Ontario, and completed her dietetic internship at the Royal Victoria Hospital. A Master of Education from McGill with courses in evaluation gives us, through Beth, a basis to make sure we ask the right questions to get the right answers. Further interest and experience at the Royal Victoria Hospital in neonatal nutrition classes, employee education and retirement courses round out Beth's expertise.

Mariette Samuel is a McGill dietetics graduate who worked with the Corporation Professionnelle des diététistes du Québec and the Lakeshore Department of Community Health before coming to McGill. At present a dietitian in community health in Haute-Yamaska, Mariette has a part-time appointment with the School; she supervises students in the Townships region and brings a community health focus to Stage.

Carol Norrad, a McGill grad too, worked in an out-patient clinic in New Brunswick and in food service management in Labrador City when she was lured to our program. A

nutrition counsellor to elite athletes, as well, Carol has a broad experience necessary for a Clinical Coordinator who travels to more than 12 diverse centres to supervise student experiences.

Joane Routhier Mayrand worked in clinical nutrition upon graduation, and developed an active private practice in both Longueuil and Pierrefonds. Her experience in clinical nutrition intervention helps her guide students in individual interviews and group sessions. Like Carol, Joane travels to numerous centres to supervise dietetics students. During her maternity leave, Joane will be replaced by **Sandy Phillips Hutchins**.

Margaret Kestenbaum Ram, BSc FSc (and partial MBA to date) joined the Stage team after experience in both foods and nutrition at a general hospital and a geriatric hospital centre. The focus on aging on the one hand, and business through her MBA studies on the other, strengthens the management sector of the Coordinator team.

Maureen Lucas is now completing an MEd degree to link with her dietetics background and work experience in food service, both in the public and private sector. Maureen has special skill in recipe development, personnel management, and cost containment. She brings strength in foods and education to planning dietetics students experiences.

Nathalie Ohnona Miller is the newest team member, a clinical nutrition practitioner who has also taught nutrition to biology students and nannies – two diverse audiences! Her clinical intervention skills and familiarity with large hospital systems in an asset.

With accreditation visits by the Canadian Dietetic Association coming in spring 1991, this team will play a key role in the internship review process. With the professorial staff, the campus courses, and Professional Practice (Stage) experiences, the program will be tied together to prove, as the first university in Canada to be accredited, that McGill is on the cutting edge of dietetic education and practice.

Mac International

School Staff Meet Foreign Challenges

In the article in this issue on the staff in the School of Dietetics and Human Nutrition the international interests of staff members are included along with the countries concerned. In this space we would like to focus on the international work of two staff members, Dr. Harriet Kuhnlein, Director of the School, and Dr. Timothy Johns.

On April 18, 1990, 10th anniversary celebrations of McGill International were celebrated on the Macdonald campus. Included in the day's proceedings were short resumes of the work currently being carried out by staff from the downtown campus of McGill and from Macdonald College. Among those giving a presentation from Macdonald College was Dr. Harriet Kuhnlein, who discussed her work in the Central American country, Guatemala.

Dr. Kuhnlein pointed out that there are three coordinators in the CIDA-sponsored development research and educational program being carried out in Guatemala: Dr. Kuhnlein, Dr. Marilyn Scott, Director of the Institute of Parasitology, which is located at Macdonald College, and Dr. Gustavo Hernandez-Polanco from the National Committee for the Blind and Deaf (NCBD) in Guatemala. She noted that the project Sensory Impairment, Nutrition and Infection, is a multi-disciplinary effort with staff from various departments at McGill and from the National Committee also being involved. The three-year project, which began in May 1988, is to work with Guatemalans toward expanded rural outreach and an improvement in ear and eye diseases. "The plan," said Dr. Kuhnlein, "is to work with the NCBD to improve the existing community level services in the prevention and treatment of ear and eye diseases.

"My particular interests are in examining the traditional health and nutritional practices that are beneficial and can be promoted among the rural, particularly Indigenous People." Dr. Kuhnlein pointed out that commercial foods are becoming more prevalent in certain parts of Guatemala and that some of the important nutrients such as Vitamin A,

which are found in local wild plants, are no longer being consumed by some people. "I would like to identify specific beneficial habits and customs among the rural people and, I hope, build them into health education programs to improve the nutritional health status." Dr. Kuhnlein emphasized, "our main objective is to provide educational training and materials at the various levels of NCBD personnel to encourage better health, nutrition, and hygiene."

Dr. Kuhnlein's work on traditional food systems of Indigenous Peoples in Canada, the U.S.A., and Latin America will give a broad picture of how food resources and nutritional status are changing with contemporary modernization. Indigenous Peoples in both hemispheres face similar challenges in their development: how to retain their cultural definition in their traditional food resources and health practices and still be integrated as much as they wish to be with the societies of European origin that surround them.

Professor Timothy Johns

My work in international nutrition has both a theoretical and an applied aspect. The origins of human diet and medicine can be studied in situations where humans maintain a traditional lifestyle and the best opportunities for this kind of research are found in Latin America, Africa, or Asia. However, in these areas change is occurring rapidly. While technology offers many benefits to people in rural areas, it can also conflict with traditional values and traditional manners of adaptation. Nutrition and health suffers as a result. It is only in understanding the traditional systems in their own biological and cultural context that the introduction of change can be positively mediated. A complementary goal of our studies of traditional systems of diet and medicine is to assist in this process.

Until 1986, my research in the international sphere was carried out solely in Latin America and this part of the world continues to be of interest to me. Recently I have collabo-

rated with a Mexican colleague in studies of the glycoalkaloids of a wild edible species of potato and Sarah Booth, a doctoral student in Human Nutrition, is working under my supervision in Guatemala. Sarah is the recipient of an International Development Research Centre (IDRC) Young Canadian Researcher Award for research on the use of indigenous leafy vegetables by the Kekchi people.

In recent years I have carried out the majority of my fieldwork in Africa and have spent most of 1990 in Kenya and Tanzania. Among the Luo tribe of Western Kenya I have carried out a study of the use of plants in diet and medicine in collaboration with a colleague at the University of Nairobi. One offshoot of this work was a realization that many leafy vegetables that are important in Luo diets contain bitter and potentially toxic constituents. Interestingly, the Luo attribute medicinal properties to these vegetables. Another of my graduate students, Febronia Uiso, is currently carrying out field studies in Tanzania and laboratory studies at Macdonald College on the nutrients and toxicology of one of these plants. Febronia is from the Traditional Medicine Research Unit in Dar es Salaam, and during 1990 I have been engaged with this institution in a collaborative ethnobotanical study on the eastern side of Lake Victoria.

My extended time in the field this year has also given me an opportunity to develop a number of other collaborative projects. One concerns the traditional use of plants by Maasai people in northern Tanzania in relation to problems of health and nutrition.

Drs. Johns and Kuhnlein have been working together to develop an International Centre for Nutrition and the Environment of Indigenous People that will involve several McGill staff members. Its function will be to serve as a resource centre for research and training, particularly for Indigenous Peoples themselves, on issues related to food resources (food components and quality), nutritional status, and the environment.

Beyond these Gates

Challenging and Exciting Careers

by Linda Jacobs Starkey, University Coordinator
Professional Practice (Stage) in Dietetics, School of Dietetics and Human Nutrition

Many dietetics graduates are currently enrolled in graduate study; continuing at McGill in the MSc Nutrition: from the class of '90, Rachelle Bross, Susan Roberts and Donna Schafer, from '89 Katja Leccisi, and returning to graduate school from employment in clinical dietetics Jennifer Snyder ('86) and Mona Cobrin ('85). Luce Bernard ('87) completed her MSc at the Université de Montréal and is a nutrition counsellor at the Montreal Diet Dispensary. Renée Crompton and Anne Marie Vermette, both from the Class of '86, are employed in clinical nutrition practice following MSc studies at Université de Montréal. Farther afield, Marlene Greenberg ('86) completed her MSc at Cornell University and a practicum at the National Cancer Institute; Marlene recently accepted a position in clinical nutrition in Ontario. Completing MBA studies are Jennifer Wight ('87) at Queens University and Hélène Trudel ('83) at McGill, and MEd. Pam Fawcett Edger ('86) at Laval.

Gail Ewan ('67) accepted a position with the Dairy Bureau of Canada following her years as a nutrition counsellor at the Montreal Diet Dispensary. Gail was recently appointed Managing Editor of the Dairy Bureau publication *Nutrition Quarterly*.

Pat Hill ('59) and Laura Saggo Kalina (dietetics '84) were recently recognized by the Canadian Dietetic Association: Pat for her

contribution to nutrition care of renal patients in Manitoba and Laura for innovation in community nutrition in British Columbia.

While many dietetics graduates have successfully secured positions in traditional areas of foods and nutrition practice, others have demonstrated creativity in developing their own niche:

- in private practice, Josée Derrien ('88), Linda Lehrer ('86), Chantal Caty ('83), Nancy Hanusaik ('81), and Kim Arrey and Susan Kastuk-Ridlington ('80).
- as nutritional products representatives with Ross Laboratories, Sylvie Gauthier and Danielle Moore (both of '81), Mead Johnson Canada, Annette Weber ('84) and Sylvie Pilon ('87), and Sandoz Canada, Isabelle Lalonde ('90).
- as nutrition counsellor with the Women, Infants and Children (WIC) Program in New York City, Joanne Diamond ('89).
- as a food and nutrition consultant to the Canadian Penal System, Kingston, Ontario, Hélène Charlebois ('88).
- as Assistant Director of Scientific Affairs with Kellogg's, in France, Josée Cloutier ('88).

Ameena Al-Awadi ('84) wrote from her position at the Salamiya Medical Centre, Bahrain, to say that as the only dietitian, she has a diverse position as a nutrition educator and

specialist. Ameena plans to begin a Masters degree in London, England.

Marie Claude Lessard ('90) has completed basic training and is on the next stage of her career in food services with the Canadian Armed Forces.

Bryna Shatenstein, who completed her dietetics course at Macdonald College to meet admission requirements for the Canadian Dietetic Association, is now completing her PhD in epidemiology. Bryna is known to Montrealers for her work in community health in Montreal.

Nutrition Major

Marianne Mancini ('88) has recently been hired as a clinical research monitor for Phoenix International Life Sciences, a new pharmaceutical firm in Montreal.

Vivian Krause ('89) received an International Development Research Council (IDRC) - Canadian Public Health Association Young Researcher Award to pursue her MSc at the Université de Montréal in "Determinants of Vitamin A Status in Preschoolers in Marginal Urban Communities in Guatemala."

Miriam Mehran ('88) is completing her MSc at the Université de Montréal.

Home to Kenya

MSc '90 graduate from the School of Dietetics and Human Nutrition, Adelheid Onyango, has returned to her home location in Busia district in Kenya. She is working on a 10-month contract to find out what the women in her area want in the way of community development projects. Adelheid is being sponsored by Development and Peace, a Canadian non governmental organization. The community is primarily one of subsistence farming with women doing much of the actual work. Some of the children suffer from malnutrition and other

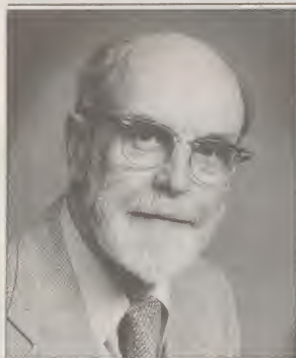
illnesses. The women are actively seeking help to combat these problems. Adelheid hopes to discuss different approaches with them and try for lasting solutions. Many of the women have taken courses, have a community nurse, and hope one day to have a community centre.



While studying at Macdonald, Adelheid met Dr. Ellen McLean, then President of the Associated Country Women of the World. She also spoke at an Outreach meeting of the Summerlea United Church in Lachine. Members of the West Island Women's Institutes and the Outreach group presented Adelheid with professional scales for weighing babies. The Outreach group also presented her with a bicycle. The WI and the Outreach group will keep in touch. So will staff at McGill International who were instrumental in assisting Adelheid with the Development and Peace contract. Doreen Phoenix, 1, of the Outreach

committee of the Summerlea United Church in Lachine, presents a bicycle to Adelheid Onyango in the Rossi Bicycle Shop. While in the shop, Adelheid was also given instructions on bicycle repair. The bicycle will be used for field work.

Fun Fact Fable Fiction



by Dr. Ralph H. Estey
Emeritus Professor, Department of Plant Science

Horse Drawn

A century or more ago the highway system in many of the settled parts of Canada was quite primitive, due in large part to the very good system of waterways. Overland horse-drawn transportation in the rural areas was rough and time consuming, and not much better in some towns. The various types of vehicles employed had such names as: broughams, buckboards, buggies, cabs, carriages, carts, chaises, chariots, coaches, coupes, crankaxle-wagons, drays, gigs, hacks, high-wagons, phaetons, sloven-wagons, spring-wagons, sulxies, surreys, tote-wagons, traps, vans, victorias, wagonettes, and wagons.

Student Answer

Q. What is the difference between a King and a President?

A. A King is the son of his father but a President isn't.

Giant Frog

A big attraction for tourists in the York-Sunbury Historical Society Museum, in Fredericton, N.B., is a stuffed frog that once weighed 42 pounds (19.05 kg.). For many years it was displayed in a window of the Barker House Hotel, owned by Fred Coleman, and referred to as the Coleman frog.

Good Advice

The time to make friends is before you need them.

Yakalo

A cross between a domestic bull and a yak cow from Tibet produces a Yakalo. They do exist, and those of you who have kept your Macdonald Farm Journals for 30 years can

see a picture of one on page 10 of the November 1959 issue.

Couldn't Pass Anything

Constipation appeared as a major threat to the health and well-being of everyone in the 1920s and early 1930s. Kellogg's All-Bran and Kruschen Salts were leaders in the attack against the threat to "regularity."

A Personal Opinion

One of the great illusions of education is that students should begin early in planning their careers. The fact is that the vast majority of present-day middle-aged people are working in occupations they obtained by chance and not by planning. Students would be well advised to choose a broad field of interest and then, within that, follow Henry Ford's motto, which was, "Study and get ready, someday your chance will come."

First Hybrids

According to the Bible (Genesis 6:1-4), "...the sons of God saw the daughters of men that they were fair; and they took them wives of all which they chose." The resulting children of some of those unions, "...became mighty men which were of old, men of renown." Thus the mating of sons of God with women produced what is probably the earliest recorded reference to hybrid vigour.

Humour?

John: My brother thinks he's a goat.

Henry: How long has he been telling you that?

John: Ever since he was a kid.

Lunar Illusion

A full moon looks much larger when it is just rising and still near the horizon than it does when it has risen high in the sky. This is one of the classic illusions of all time. You can easily prove that the apparently larger moon, near the horizon, is an optical illusion. Do this by looking at it through a tiny opening

that blocks from your vision everything but the moon. It will then appear smaller.

Typographical Error

A famous American once said "A horse divided against itself cannot stand."

Time Gone?

When Britain adopted the Gregorian Calendar, - the one we now use - in 1752, September 2 was followed by September 14. That meant there were 11 missing days. What confusion that must have caused for anniversaries that would have taken place between September 2 and 14 of that year. The reason for the jump of 11 days was due to the fact that the earlier Julian Calendar, that had been introduced by Julius Caesar, was 11 minutes and 14 seconds longer than the solar year. By 1752 the calendars were 11 days out of schedule with the seasons.

Our Own Grape

Macdonald is the name of a variety of grape that was developed at Macdonald College. It was registered with the Canadian Horticultural Council in 1949.

Lead Free

Lead pencils do not contain lead. The marking component of the so-called lead pencil is graphite, - once known as "black lead." Incidentally, the word "pencil" is from the same Latin root as penis.

Limerick Problem

Readers of this page have come to expect a limerick of some kind. However, it is becoming increasingly difficult to find limericks that are suitable. The major reason for this is aptly described by this anonymous writer:

The limerick packs laughs anatomical
Into space that is quite economical.
But the good ones I've seen
So seldom are clean
And the clean ones so seldom are comical.

Seeking Solutions

Master's Degree in International Agriculture

by Dr. R.K. Stewart
Associate Dean, Research



I have written before about Macdonald's international activities. As well as being concerned with development of North American agriculture the Faculty are, and always have been, involved

in international development work. Up until now our activities have tended to be centred on development projects run by individual professors and, apart from one course in International Agriculture, our international teaching offerings were limited to small components of a few undergraduate and graduate courses. We hope that situation is going to change soon. Some years ago Dr. Eugene Donefer instigated the procedure to establish a Masters degree dealing with International Agriculture. Oops! It just occurred to me that all my readers might not be aware of the

terminology here. International Agriculture tends to be concerned with the broad field of food and fibre production in the so-called developing countries. Anyway, Gene started the process of having the degree approved at Macdonald but, unfortunately, it got a bit bogged down. One of my little jobs has been to steer the proposal through the McGill system for approval. I am happy to say that the Senate of McGill University has just recently approved our program which now has the format of a Master of Science Applied (International Agriculture Option).

The provision of adequate nutrition and reduction of poverty are recognized as among the greatest challenges facing the world community at this time, and increased agricultural efficiency is essential to both of these issues. A serious constraint to agricultural development in developing countries is the shortage of agricultural scientists who are well trained in their own discipline as well as having an interdisciplinary grasp of broader environmental, social, and economic implications of their work.

There is a need for agricultural scientists from developing countries to have access to institutions like Macdonald so as to broaden their experience and allow them to function more efficiently in their own environment.

In addition to the need to cater to developing country students we have recognized a Canadian need. An increasing number of Canadian students, and specifically students at Macdonald, have expressed a strong interest in careers relating to international agriculture. They have been frustrated because more development courses are not available and post-graduate opportunities for international experience are limited. We hope that the proposed Masters program will answer these needs.

This is a non-thesis program which will combine multidisciplinary courses and practical international experience. The program will require a minimum of three semesters of residence involving formal courses and a project of international nature. Courses required in international agriculture are as follows:

International Nutrition, Perspectives in International Development, Natural Resources, International Agri-Finance and Marketing, Extensions Methods, Animal Resources and Production Systems, Tropical Crop Production and Utilization, and Food Processing Technology.

The Project will normally involve working for a minimum of four months in an overseas location, usually with the help of a collaborating institution.

Unfortunately there remains a final obstacle to our offering this exciting new program. Like everything else it will require financing, and the university is chronically short of funds. This means that our next job, now that we have a formal proposal approved, is to go to outside sources for funding.

THE MACDONALD JOURNAL ENDOWMENT FUND

Our sincere thanks to the following people who have recently made financial contributions to our newly established Macdonald Journal Endowment Fund, which was started with a \$10,000 donation from a Macdonald graduate. This support is much appreciated.

David C. Hannaford

The F.N. Southam Memorial Fund

T.C. Stuart

Elinor Von Rosenthal

Peter G. White

Graduates '90

Reunion '90



Representing Macdonald College at the Graduating Class Officer's Reception are, l to r, Lynn Carpentier, Dean Roger Buckland, and Anne Brunet.

Graduate Leaders: A Tradition at Macdonald

A special reception to honour Graduating Class Officers was held at Martlet House - the headquarters of the Graduates' Society of McGill University - on January 31, 1990. Principal David Johnston, Deans and Directors were present to give thanks for the important service which these volunteers perform for McGill and Macdonald. It is the Class Officers - representatives and agents - who continue to build contacts with Macdonald after graduation.

Graduates: Keeping in Touch

A Class Officer is the link between the members of each class unit and the university. It is the class newsletters and Reunion events which will encourage graduates to maintain an interest in, and keep in touch with, their Alma Mater.

The Class Officers who represent Macdonald College in the Faculty of Agricultural and Environmental Sciences are Lynn Carpentier and Jennifer Wells; Cheryl Weiss is the delegate for the School of Dietetics and Human Nutrition, while Anne Brunet represents the 1990 Diploma in Agriculture program.

An annual newsletter to classmates from the class representative has been a most effective and most welcome form of communication between graduates. Regular contact with each other, even through a 'newsy' letter,

maintains a strong class identity. Friendships are further strengthened by a Macdonald Reunion, organized every fifth year, which not only brings alumni together but also back to their "roots" at the college.

Grads Class '90: A Fitting Farewell

To emphasize the role of the Macdonald Branch, the President, Richard Caron, invited the Macdonald Class of 1990 to take advantage of services offered by the Graduates' Society and to plan to participate in their alumni association.

Together with Vice-Principal Dr. Roger Buckland, Greg Weil, and others, Mr. Caron thanked those Class of '90 members who were eager and willing to represent their class in planning such contact.

Dr. Buckland reminded the Class of '90 that the class agent plays a special role in encouraging alumni support for the college. The Alma Mater Fund has provided a tangible example of the value of their involvement through the Class of '90 Pledge Project. The Vice-Principal even promised to match (up to \$5,000) the pledge of this year's graduates towards establishing the Class of '90 Bursary Fund to help students in financial need. Happily, the graduating students responded with overwhelming support for their project and to date, their commitments exceed \$6,200. (The Class of '90 Bursary Fund is destined to help deserving students at Macdonald in perpetuity.)

Reunion '90

The Macdonald Branch of the Graduates' Society extends to you a warm invitation to visit Ste. Anne de Bellevue and Macdonald College and to renew acquaintances with classmates and colleagues. Professor Chandra Madramootoo, Chairman of the Reunion '90 Committee, is pleased to report that plans are well underway for the September 22 Homecoming and welcomes all graduates, near and far, to return to the college.

Full details of the day's activities - to include

a special luncheon, open house visits to selected areas of the campus, "The Future of Food" seminar, the Dean's Reception, as well as a barbecue and square dancing evening - will be listed in the Reunion brochure and sent to honour years and Quebec and Ontario area graduates early in August.

In addition to the scheduled events, Class Chairmen (listed below) are busy planning activities for their respective classes. If this is a Reunion year for you but your class is not listed below, why not get in touch with Anna Galati (514) 398-3554 at 3605 Mountain Street, Montreal, Que., H3G 2M1, and talk over plans for your year!

Mr. Peter MacKinnon
Diploma '85
Mrs. Brenda Knox
Agric. & Food Science '80
Ms Elizabeth Koessler
Agric. & Home Ec. '65
Mr. Alex McKinney
Agric. & Home Ec. '65
Mr. William S. Stevenson
Diploma '55
Mrs. Jean McHarg
Agric. & Home Ec. '60
Mr. Robert Mitchell
Diploma '55

Mr. Donald L. Cole
Agric. & Home Ec. '55
Mrs. Isabel Bailly
Mrs. Lorraine Cameron
Ms Margaret Carr
Miss Ruth Evans
School for Teachers '50
Mr. Harold Blenkhorn
Agriculture & Home
Ec. '50
Mrs. Marjorie Finlayson
Agric. & Home Ec. '35



MACDONALD COLLEGE STUDENTS' SOCIETY

Nothing to Wear at Reunion?

The answer may be a college T-shirt, sweatshirt, rugby or golf shirt, or a comfortable pair of sweatpants, all with the Macdonald-McGill logo.

Where to Find Them?

Normally in Harrison House, **Robbers' Roost** will be in the Centennial Centre for Reunion, ground floor foyer. Check out the selection of clothing, pins, hats, crests, beer and coffee mugs.

Tel.: (514) 457-5784
457-6103

GOOD PRICES - GOOD QUALITY

Stately Homes and Gardens Tour

"Caroline and I have planned a very civilized tour with plenty of time to enjoy the splendour of the gardens or, for those who would prefer, the magnificence of the homes," Debbie Buszard, a professor in the Department of Plant Science, told us the day before she left for England and a "dry run" of the Stately Homes and Gardens Tour being planned for friends of McGill next June. The trip is sponsored by the Graduates' Society of McGill University. "We will be spending two nights in Bakewell, for instance, which is an extremely pretty Midlands town with lovely old buildings. We then spend three nights in Ashbourne, another lovely Derbyshire town in the dales. We will be right in the heart of England's castles, manor homes, and gardens."

Caroline Boisset, who is from France but was brought up in England, and Debbie Buszard are friends from university days in England. "As undergraduates we were at the University of Bath studying Horticulture and then we met again when I was working towards my PhD at London University and Caroline came to do a one-year Landscape Ecology course." Caroline, a horticulturist, is a free lance writer and consultant and has written several books on gardens, her latest being "Town Gardens." She conducts garden tours in Britain and is also kept busy looking after Isley Walton Manor which, Debbie Buszard pointed out, the tour group will visit for lunch



on the second day of the nine-day itinerary. "It's a beautiful, recently restored Georgian house with wonderful gardens right next door to a castle," Debbie said of her friend's home. "The small village church is right on the grounds of the manor house."

An entire day will be devoted to Chatsworth, the ancestral home of the Duke and Duchess of Devonshire. "Their home," Debbie said, "is filled with magnificent works of art, with sculpture and extraordinary porcelain. Many of the greatest names in horticulture have contributed to the garden which has been in existence for centuries. A spectacular cascade tumbles down the slope behind the house creating a marvelous focal point. There are hidden gardens, a pinetum and arboretum. There are some absolutely wonderful views, all carefully planned over the ages."

The tour starts off with a visit to Savill

Garden in Windsor Great Park, and includes visits to Calke Abbey, an early eighteenth century house; Newstead Abbey with a stew pond dating back to the Augustine Priory's twelfth century origins, walled gardens, long rose pergolas, and a hidden Japanese garden; Hardwick Hall, a magnificent house dating back to the late sixteenth century contains some of the most beautiful seventeenth century rooms in Europe. An Elizabethan herb garden has been recreated together with an orchard of old fruiting varieties and an ornamental orchard; Melbourne Hall with perhaps the most historic garden in England as it is the only remaining early seventeenth-century formal garden with no alterations from subsequent centuries; Elvaston Castle with formal and lopiary gardens against a backdrop of a large lake and spectacular artificial rockwork; Kedleston Hall is surrounded by an extensive landscape park and formal gardens; Rockingham Castle, an ancient royal residence built by William the Conqueror with stupendous views of five counties. The walls of the castle shelter mixed borders and a wild garden in the ravine was created at the end of the last century; and Castle Ashby, a Tudor House where many of the original chestnut and Lebanon trees still stand.

"It is impossible to do justice to these truly stately homes and gardens with such brief descriptions," Debbie pointed out, "but any-

JOIN US
TO WELCOME YOUR FRIENDS

REUNION '90

All welcome, especially graduates of years ending in 0s and 5s

Macdonald Reunion will be held on September 22

at Macdonald College in Ste. Anne de Bellevue

one interested in the tour may ask for more detailed information." (See advertisement, this page).

Also included in the tour is free time in London or visits to Hampton Court, the Royal Botanical Gardens, Kew, a day trip to Sissinghurst Castle in Kent, or the Chelsea Physic Garden. "This is a wonderful old collection of herbal and medicinal type plants," Debbie explained. "As it is only open to members of the Royal Horticultural Society in Britain and invited people, we are especially privileged to be allowed to visit. Carolyn and I are very excited about this tour, and we feel that the 15 to 25 people who accompany us will find it a most rewarding and satisfying experience."

(continued from page 10)

Professor Thibault has conducted research on central mechanisms of macronutrient selection at the Institute for Protein Research in Osaka University, Japan.

4. She is preparing a proposal for an international collaboration of researchers from Osaka University, Japan, College de France, Paris, France, the University of Groningen, The Netherlands, the University of Birmingham, England, and the Salk Institute, San Diego, U.S.

As well as serving on Macdonald College and McGill committees, Professor Thibault is the McGill representative on the administrative board of the Association Canadienne-Française pour l'Avancement des Sciences (ACFAS). She is a member of the Society of Neuroscience, the International Brain Research Organization, the International Society for Chronobiology, and the Canadian Society for Nutritional Sciences. ■

STATELY HOMES AND GARDENS

A Tour with Friends
A Tour with Style...with
Class...with Elegance

In the Heart of England's Famous
Castles,
Manor Homes and Gardens

With Tour Guides
Caroline Boisset, Author of
Garden Books, and Deborah
Buszard, Horticulturist & Profes-
sor, Macdonald College of McGill
University



Caroline Boisset will host a lunch in your honour
at her Georgian home, Isley Walton Manor

A day at Chatsworth, the centuries old home
of the Duke and Duchess of Devonshire
and much, much more

Set at a leisurely pace with 2 nights in Bakewell,
3 in Ashbourne, and 2 in London

TOUR DATES:
June 7 to June 16, 1991

COST:
Approximately \$2,500.00 (Canadian)
Round Trip Air fare, First Class Hotels with
breakfast and dinner, and deluxe coach
transportation

INFORMATION:
The McGill Graduates' Society
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Sponsored by the Graduates' Society of McGill University

Campus Life

There's More Than Labs and Lectures



There's the Woodsmen's competition. Fans and timers watch attentively as the water is almost at the boil. The women finished first; the men second and eighth overall.



There's Winter Carnival which got off to a rock and roll start when CHOM FM radio's "Electric Lunch Hour" with Al Gravel, centre with mike, was broadcast live from the lobby of the Macdonald-Stewart Building. René Cayen, l, and André Lafond urge the students to participate in up-coming activities.



There's Founder's Day in February when students receive Gold Keys for extracurricular activities: Back row, l to r, Peter Knox, Chairman, Gold Key Committee, André Lamarche, Paul Chamberland, Dean Buckland, Richard Caron, President of the Macdonald Branch of the McGill Graduates' Society. Front row: James Murphy, Patrick Bulman, Silvana Ricci, Camille Asseo, Mrs. David Stewart, President Macdonald-Stewart Foundation, Steven Latulipe, Guylaine Laberge, Caroline Breton, and Vincent Laffitte.



There's the College Royal with Ingrid Breuer, l, and Jane Thompson, greeting visitors to the displays.

There's the Livestock Show and this year's Grand Champion Livestock Showman, Linda Campbell, No. 44.



The sign in the General Agriculture display says "Agriculture: Your Future and Ours." An appropriate theme for young Michael Dunn who gently pets a chick.



The Champion Holstein Showman: Andrew McQuat checks his animal.

There's the Sportsmen's Banquet where the Walter M. Stewart Trophy for Outstanding Male Athletic of the year was presented to Brett MacLean by Dean Roger Buckland. Brett was a member of the woodsmen, hockey, broomball and softball teams, and also played tennis.



The Most Valuable Woodswoman and Woodsman Awards went to Hélène Chrétien and Dan Anderson. Hélène was also presented with the Atkinson Trophy as the Outstanding Female Athletic of the Year. Hélène also participated in broomball and softball.

Convocation, June 8, 1990

Over 200 students, their parents and friends, faculty and dignitaries gathered on the beautifully groomed campus of Macdonald College to enjoy Convocation ceremonies out-of-doors on a bright and cheerful day. In his address to the graduates, Chancellor A. Jean de Grandpré wished the graduates great success in their future careers. He reminded them that they are now lifetime members of the Macdonald community. He said this honour brings both privileges and responsibilities and urged them to support McGill and Macdonald's efforts to maintain and improve the quality of education. He thanked them for their pledge of \$6,200 towards a Class of '90 Bursary Fund. Vice-Principal Buckland had promised to match their pledges up to \$5,000. Thirty-eight per cent of graduating students participated in the pledge project. Chancellor de Grandpré pointed out that Harrison McCain, founder and chairman of McCain Foods Limited, was unable to be present to receive his honorary Doctor of Laws degree as he was ill in hospital. On behalf of all present he sent good wishes to Mr. McCain for a speedy recovery.

Robert Middlemiss, le ministre délégué, Ministre de l'Agriculture, des Pêcheries, et de l'Alimentation du Québec, congratulated the Diploma graduates. Jean Rawling, from Calgary, Alberta, who majored in Nutrition and received her BSc in Nutritional Sciences, was this year's valedictorian. Professor Kristine Koski, of the School of Dietetics and Human Nutrition, was presented with the Macdonald College Award for Teaching Excellence. Dr. William F. Grant, who is retiring from the Department of Plant Science, was made an Emeritus Professor.

Professor William Grant Emeritus Professor

William Frederick Grant, a native of Hamilton, Ontario, received his BA and MA from McMaster University, and PhD from the University of Virginia. He began his career as a botanist under a technical cooperation program to the Department of Agriculture, Kuala Lumpur, Malaysia. In 1955 he came to McGill as an Assistant Professor of Genetics

and worked his way up through the professorial ranks to become Professor of Genetics in 1967. He was a member of the Department of Genetics until 1970, the Department of Biology from 1971 to 1976, and the Department of Plant Science since 1976.

Dr. Grant has served the university in many ways. He has headed the Genetics Laboratory since its inception in 1955. He has served on numerous committees in the Departments of Genetics and Plant Science and the Faculty of Agriculture. His teaching responsibilities have included courses in cytogenetics and mutagenesis at the graduate level and introductory genetics at the undergraduate level.

Dr. Grant has had an outstanding research career focussing on cytogenetics, environmental mutagenesis, and plant biosystematics. He is the world's leading authority on the cytogenetics of the genus *Lotus* and has made significant contributions to the cytogenetic and taxonomic information available on five additional plant genera. He has been a pioneer on the use of higher plant species for testing and monitoring mutagenic effects of environmental pollutants. His studies have shown a close correlation between the chromosome aberrations induced in plant systems with those found in mammalian systems from the same chemical treatments.

Dr. Grant has authored or co-authored over a hundred publications in refereed scientific journals. In addition he has published eight review papers, edited one book, and has over



Robert Kyle, Diploma Program graduate from Sherrington, receives the Director's Prize from Robert Middlemiss, Ministre délégué, MAPAQ.

150 other publications to his credit. He has supervised the research of 20 MSc and 11 PhD students and currently has five graduate students in progress. Many of his graduating students have gone on to their own outstanding teaching and research careers.

Dr. Grant has been active in a number of national and international organizations. He has been Vice-President of the Society for the Study of Evolution; President of the Genetics Society of Canada; Treasurer of the Biological Council of Canada; President of the McGill University branch of Sigma Xi, and President of the International Organization of Plant Biosystematists. He has also served as Editor of the *Canadian Journal of Genetics and Cytology*, and the *Lotus Newsletter*.

For his many contributions, numerous organizations have honoured him with their most prestigious awards. He has twice been awarded senior fellowships by the Japan Society for the Promotion of Science for lecture tours in Japan. He has been elected a Fellow of: the Linnean Society of London; the American Association for the Advancement of Science, and the Royal Society of Canada. He was awarded life membership in the Genetics Society of Canada in 1979, and in 1989 received the first life membership awarded

FACULTY OF AGRICULTURE

Commencement 1988



Principal Johnston caps BSc graduate Walter Quilty left from Cornwall, P.E.I., and below, Debra Brown from Rocanville, Sask., and René Roy from Sherbrooke, Qué.



by the International Organization of Plant Biosystematists. He was recently awarded the George Lawson Medal by the Canadian Botanical Association in recognition of his distinguished contributions to the advancement of Canadian botany.

Professor Bruce Coulman Department of Plant Science

Photos by Helen Cohen Rimmer



Dr. Bruce Coulman, I, Chairman of Plant Science, presented Dr. William Grant, Emeritus Professor, to Hugh G. Hallward, Chairman of the Board.



Anne Silas, from Montreal, was a Dietetics major, a University Scholar, who graduated with Great Distinction, and received the Harrison Prize and the McGill Alumnae Society Prize from McGill Chancellor A. Jean de Grandpré.





▲ Professor Robert Broughton, l, congratulates graduates, Susan Fournier and Stephen Clark, and greets retired Farm Director, Rudi Dallenbach, and Stephen's parents, Wayne, BSc(Agr)'66, and Edith Clark.

Plant Science postgraduates include, front row, MSc grads, l to r, Susan Delafield, Maryse Leblanc, and Neilda Sterkenburg. Back row, l to r, Ralph Martin, PhD, and MSc grads, Richard Stahl, and Ian Armour.



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Focus Environment

A Common Future

by Professor Timothy Johns
School of Dietetics and Human Nutrition

Loliondo is a Masai community on the eastern edge of the Serengeti Plain of Tanzania just south of the Kenyan border. It is a beautiful place of tree covered rolling hills and an area of some potential for cultivation because of its relatively good rainfall. The Masai, of course, are the quintessential East African pastoralists, and it is only under pressure from outside authorities that they have begun to participate in growing maize on this land. Several of the valleys in Loliondo have been cleared for planting and the settled population in Loliondo has grown. Authorities have lauded the Masai for becoming more self-sufficient in maize and continue to pressure the community as a whole to take up this progressive trend.

The Masai are well aware that none of the developments in Loliondo has been without its down side. While the area is hardly a wasteland, environmental damage is apparent. Erosion is occurring and the watercourse that once ran through the heart of the settlement has disappeared, presumably somewhere underground.

In recent years progress has taken on a new dimension. The traditional grazing lands on the western side of Loliondo have been found to be capable of producing barley, the nation cries out for beer, and all of a sudden outsiders are moving their tractors and ploughs to Loliondo to make this land productive. Sustainable agriculture this is not, but after 10 years of mining this soil there will be money in the bank and, presumably, somewhere else to go. The Masai will remain on this new wasteland. Needless to say they are alarmed at the prospect.

The costs of this progress to the Masai are even more fundamental than the erosion of their land, of their lifestyle, and of their control over their future. A recent study of the nutritional status of Masai in the adjacent Ngorongoro Conservation Area and in Loliondo showed that Loliondo Masai who have switched to a partial cultivating lifestyle suffer higher levels of malnutrition than any Masai group in Kenya or Tanzania. Nutritionists have long been fascinated by the



Loliondo, Tanzania.

Masai's survival on an animal based diet high in protein and fat. Surely though they should be much better off with a diet with more balance in carbohydrates and other nutrients. This is apparently not the case.

Sufficient nutritional studies to say exactly what is wrong in Loliondo have yet to be carried out, but clearly the Masai were better adapted to their traditional lifestyle than to the current situation. Dietary systems that have developed over many generations in which an indigenous population lives in a specific environment are complex and finely tuned. The Masai traditionally have been healthy in spite of breaking some fundamental food rules. One possible source of vitamins, minerals, and carbohydrates is the wild plants in the forested areas. While it seems that the forests are not depended on for any major food staple, their potential as sources of continuous nutrient supplementation has been overlooked. The Masai have a reputation for using plants as medicine. In fact, their word for tree, *olchani*, is the same as their word for medicine. They use medicines regularly, usually with food, and often in a prophylactic rather than a therapeutic role. As their diet changed, the traditional ways in which adequate nutrition was ensured have been altered. As they have cleared forests to make room for maize cultivation, the Masai have lost a fundamental part of their natural resources.

The Masai recognize that the control over their own land is the heart of the issue and are actively involved in the political and legal struggles that they hope will give them tenure over what should be theirs. In this battle they

have found an ally in a surprising source. For 40 years animal conservationists and the Masai have been enemies. It was with the ostensible intent to preserve wildlife that the Masai were driven out of what became the Serengeti National Park. Now in the face of the authentic challenge that mechanized agriculture poses to the Serengeti environment and its wildlife, the conservationists are willing to acknowledge that the best buffer between the animals and the destructiveness of civilization is the Masai and their traditional lifestyle, and just maybe that this has been the case all along.

What is it that makes the people of this small corner of the world of importance to us in Canada? Are they just another National Geographic curiosity? Is it because the Masai live as an integral part of the greatest wildlife range in the world that we take notice of them, or rather is it not that we recognize that the Masai are a buffer not just between civilization and the lions, cheetah, antelopes, and zebra of the Serengeti, but more importantly between us and our own self-destruction? As we recognize the global nature of environmental problems, we realize that solutions must also be global. It is clear that there are fundamental problems with the present; many of the solutions for the future are the solutions of the past. The integrated and environmentally sound lifestyles of the Masai, the Indians of the Amazon basin, or the Cree of Northern Quebec provide models for sustainability not just in the last frontiers but for the world as a whole.

Indigenous groups, however, are not museum pieces. In a rapidly changing world their lifestyles can only be maintained with the help of the same kind of science and technologies that are the source of the assault against them. The level of success of these groups in integrating the wisdom of the past with the tools of the present is an important monitor of the hope for our species as a whole to achieve a way of life with a future. The academic community has a leading role to play in this process. Documentation of the empirical soundness of their subsistence (continued on page 30)

Diploma Corner

"The Vine and the Branches"

by Sterling and Gwen Parker¹



Dip '29s stay in touch: Reginald Conner, I, with fellow classmates Kenneth Sample and Murray Mason.

In retirement a Macdonald Diploma graduate has successfully tried a new vocation. He has produced a book entitled "The Vine and the Branches," a history of Minton, Quebec. Being keenly interested in history and having a feeling of closeness to family and community, Reginald Conner was able to put together after 15 years of research a book full of history told in an interesting way.

Starting as it does with the church as a focal point and spreading out through the homes and stories of those who helped build the church, the once thriving community, the central point from which five roads fanned out into the surrounding countryside, comes alive to those of us now who see only a church standing alone at the crossroads, overlooked by Mount Orford.

The book has over 100 pictures that illustrate the story of the community and the people in their work and their play — haymaking, wood sawing, snowshoe parties, excursions to Mount Orford, picnics. The anecdotes, such as a relative stuck in a chair, families stricken during the diphtheria epidemic, or serious accidents happening with a doctor miles away, make life in early Minton become very real to the reader.

The book contains an excellent record of the families in the area and will be of interest to genealogists. Also of particular interest to Women's Institute members will be a chapter written by Doris Conner on the history of Minton WI.

Reginald Conner has lived and farmed all his life in Minton, where his father, grandfather, and great grandfather before him, farmed.



Reginald and Doris Conner who recently celebrated their 55th wedding anniversary.

When asked how he got started in purebred stock he replied, "In 1924 at the age of 14 I joined the Hatley Boys' Holstein Cattle Breeding Club, the first federally organized club in Quebec. Each boy had to own his own purebred heifer, and it was from this beginning that I built up my registered purebred Holstein-Friesian herd." In his book is a picture of the boys' heifers being transported to the Ayer's Cliff Fair by barge on Lake Massawippi in 1926.

In 1927 Reginald attended a winter short course at Macdonald College and that fall he enrolled in the two-year Diploma Course, graduating in the spring of 1929. In his years at college he made lasting friendships. Murray Mason of Cowansville and Kenneth Sample of Covey Hill still get in touch periodically with Reg.

"I like to remember Mac just as it was during those years," Reg said. "The many friends we made, Dean Barton and the "Profs," Maxwellton Jerseys grazing alongside the railway tracks and the mournful wail of the freight train whistle as it rolled through Ste. Anne's in the dead of night."

In 1934 Reginald married Doris Jenkin, a descendant of another Minton family, and she has supported him in all his endeavours. The following year they took over the Conner farm. The former Conners were more diversified, selling their produce at the weekly market in Sherbrooke. (In 1920 his grandfather produced \$1,000 worth of potatoes on approximately one acre.) Reginald and Doris concentrated on improving their herd, going from four or five head to a herd of 45 head of Holsteins, a completely registered herd. One of his bulls won first prize in his class at the Sherbrooke Fair. He was subsequently exported to the U.S. and became an AI Unit proven sire. The Conner herd was on ROP from 1940.

In the beginning the Conners raised hogs to make use of the skim milk as they were sending cream to the factory in North Hatley until it burned and then to Ascot Corner creamery. Later they shipped to the Carnation Milk Company in Sherbrooke, at first by cans and then by tank truck. By the time they retired from active farming in 1975, they had installed a bulk tank and modernized the stable and dairy.

Their son Wendall, who has been a Bell Canada employee for over 30 years, now runs the farm as a hobby with a son, Brian, to assist. They have gone out of the dairy business and 70 head of purebred Polled Herefords are on the farm. Hay crops from farms in the area are used to augment the supply from the home farm.

Reginald received his 50-year plaque as a member of the Holstein-Friesian Association serving as director, as President of the St. Francis District, and one term as Provincial President. During his term the Holstein-



Minton, 1910, shows, l to r, a barn, houses, and an annex on a house with the first post office and a store, a blacksmith's shop, church, school with sheds to stable the horses, another house which had the first store, and a milk skimming station-cheese factory and another blacksmith's shop. The only building still standing today is the church. Photo by Marshall Rublee

Friesian picnic was held at Macdonald College in 1953.

He has been a director of the Stanstead County Agriculture Society "most of his life" and is still an honorary director. He was also director of the Eastern Townships Agricultural Association for some years. For many years the name Minton Meadow Holsteins could be seen displayed at the cattle barns at Ayer's Cliff Fair, and for a few years at Sherbrooke Fair.

Reginald attended the Holstein Judges' Conference for 20 years and judged at Three Rivers and Huntingdon Fairs, but it wasn't his favourite activity as his words testify. "I couldn't eyeball them fast enough when the classes were large."

He worked closely with Alex Sims in organizing Farm Forums in Stanstead County and joined the Quebec Farmers' Association which was a follow up to the Farm Forums. In speaking of the UPA, "I attended the organizational meeting when the annual fee was set at \$15, never to be raised. Now it is 10 times that."

Reminiscing Reg stated, "Except for herd registrations, government papers were practically nil and there were no marketing boards."

Reginald and Doris have one daughter, Gwen, who received her Elementary Teacher's Diploma at Macdonald on June 4, 1953.

She has retired from teaching and lives in North Hatley with her husband Wendell McKnight and two daughters, Sarah and Eliza. Their son Wendall lives with his wife Myrna and two children, Debra and Brian, in a house they built near the Minton Church.

"The Vine and the Branches" may be obtained from The Townships Sun, Box 28, Lennoxville, Que., J1M 1Z3; Uplands Museum, 50 Park St., Lennoxville, Que., or - postal address - Box 61, Lennoxville, Que., J1M 1Z3; Stanstead County Museum, 9 Dufferin, Stanstead, Que., J0B 3E0, Earl's Store, 45 Main, North Hatley, Que.; Magasin Lois, 1097 Main, Ayer's Cliff, Que., Magasin Lois, 30 Principale, Rock Island, Que. The price is \$35.00 plus \$4.00 postage and handling.

'Our thanks to Sterling and Gwen Parker for the interesting article on Reginald Conner, their friend and neighbour. Actually, Sterling is a relative of Reginald's and Gwen's family owned the land



Minton Meadows Alcartra Model with Reginald Conner. First prize yearling Holstein bull at the Sherbrooke Fair, 1949. Judge was Professor Alex Ness of Macdonald College.



Established in 1894, Minton United Church today.

where the Minton United Church stands. They are both keen history buffs and share Reginald's and Doris' interest in the history of their region.

Keith Francis McDonell

The community was saddened by the tragic death on Sunday, June 10, 1990, of Keith McDonell. Keith, a Diploma '89 graduate, lost his life in a train/car collision just east of Alexandria, Ont. Laurie MacDonell also lost her life in the accident.

Diploma students and graduates were among those who attended the funeral services at St. Finnan's Cathedral, Alexandria, on Wednesday, June 13. Classmates John Beerwort and James McCart, Keith's roommate at Macdonald, were honorary pallbearers. To anyone who knew him, Keith was a very special person. A fitting tribute was made during the funeral service when the priest said, "Keith knew no strangers. No one is perfect, but Keith was as close to being perfect as it is possible."

Our sympathies to Keith's parents, his five sisters, and brother Leighton, Dip'85. Mr. and Mrs. McDonell have lost two other sons, Kevin, Dip'82 (see *The Macdonald Journal*, Diploma Corner, May 1985), and Joseph, to accidental deaths.



The Quebec Women's Institutes

President's Message

Here we are again. At the time of publication of your last Macdonald Journal we thought



that perhaps it might be the last issue with QWI news. After a lengthy discussion at our convention at Macdonald College in May, delegates voted by a secret ballot with an overwhelming majority in favour, in spite of each member being assessed seven dollars (\$7.00) each over and above our dues. It's a total commitment - there is no halfway. The subscription year is to run from May 1990 to February 1991. Provincial Secretary Doris Stevens would like to receive the assessment for this year by September 1, 1990, so this gives us all a chance to have a fund-raiser.

Please be assured that many alternatives have been considered and financially we are most fortunate to have the choice of using the Journal. As a Past-President of QWI stated, "Macdonald College has supported us for years; it's only fair we return some of that support."

We had a good convention in spite of pouring rain on the "open" day. You'll be hearing all about it from your County presidents and delegates.

Please take special note in this issue of new criteria for fast-approaching nominations for 1991 election of officers and conveners.

For Home and Country

Pearle Ingalls Yates
QWI President

Annual Convention

There were 114 QWI members who answered roll call at this year's Annual Convention held at Macdonald College last May. For complete coverage, please read the annual report. Associate Dean, Research, Dr. Robin

Stewart welcomed members to Macdonald College. Mme Cecile Labrecque brought greetings from les Cercles de Fermières. She said that although the organization started in the rural areas, it now has 52,000 members with only two per cent working in agriculture. However, she said, "We are still proud of our name." Mme Labrecque pointed out that it is her organization's 75th anniversary. Four past presidents were welcomed: Mrs. Ethel McGibbon, Mrs. Ina Kilgour, Mrs. Gwen Parker, and Mrs. Lucy French.

Until elections next year two present conveners will share responsibilities for information on the environment: Mrs. Evelyn Duff, Agriculture, and Mrs. Beverley Morrison, Canadian Industries. October 11 is the tentative date for an area rally for: Brome, Missisquoi, Shefford, Rouville, Compton, Richmond, Sherbrooke, and Stanstead. The rally will be held in Magog. Executive visits are proposed for Gaspé, Bonaventure, Quebec, and Megantic in September. Thanks were extended to Brome County for morning muffins and to Chateauguay-Huntingdon for refreshments Thursday evening. It was reported that 1,375 articles were given in for the CBC Woolgathering project. A new keeper plaque for barn decorating will be presented by the QWI at the Quebec Young Farmer's annual Calf Rally. When ending her secretary's report, Alex Jenkins said that although she was leaving the office, she hoped she would not lose touch with the many friends she had made while being QWI secretary.

A warm welcome was extended to our FWIC President Mrs. Jennie McInnes, guest speaker and leader of a workshop on QWI and publicity. Mrs.

McInnes's speech and a resumé of her workshop is in the annual report: do read it. Mrs. McInnes said that as she travels across Canada she is delighted to hear about projects initiated by the WI: child care, women's support groups, hospital work, environment projects, scholarships in the thousands of dollars, seniors' homes and care, agriculture, health, safety - the list goes on and on. She said, "We still have kept the basic responsibility to promote high standards and moral values in the home and community. Homes are the cornerstones of the world, and we would do well to continue to press for purity, sanity, and strength in the home life, for the community will be as the homes which form it." She had some very interesting statistics and comments on the environment saying, "the messed up environment is the single most pressing issue facing our communities today, and there is something that each one of us can do."

In her workshop Mrs. McInnes said, "No organization stands still: it must go forward or go back. If I were to put a finger on one of the weaknesses of our organization, it would be that we do not sell ourselves when we have the opportunity. We can voice our opinions strongly, having first become knowledgeable about the particular issue."

She said the content and the timing of WI meetings must suit the needs of the commu-



A past president Ethel McGibbon, l, greets FWIC President Jennie McInnes and QWI 1st Vice President Florence Ellerton.

nity. "If we want young women to join, gear meetings to them," she said. "In Manitoba one branch meets at noon because the women are working. Young women in Calgary meet at 5 o'clock, have dinner and are home by 7:30 p.m. If we want to expand our horizons, we must accommodate potential new members."

Two other workshops were also enjoyed: Paint a Sweatshirt given by Helen Rimmer was great fun. Members were shown how to graft shoulders and side seams in the knitting workshop given by Lynn Gee. A visit to the Ecomuseum was cancelled because of the weather.

Members were delightfully entertained by the Chateauguay Valley Glee Club, which included several WI women from the area. After their performance they enjoyed refreshments with the members.

Helen Routliffe, Convener of Education and Cultural Affairs, expressed thanks to Suzanne Robillard and Hortense Duhamel for judging the handicrafts, which were attractively displayed. Helen also thanked Evelyn Duff for her help. Congratulations to all the winners.

Ina Kilgour and her Pontiac County team were thanked for the great job with the sales table. All was sold. Thanks were extended to the branches for sending in items for the table.

Conveners' Deadlines

Provincial conveners have made a special request that branch conveners send their reports to county conveners as soon after their December meeting as possible. County conveners are to send their report to the provincial convener no later than mid January so that each provincial convener can send her report to the FWIC convener by the last week in January as requested by Federated.

Madrigal Choir in Richmond

The Richmond County WI have invited the



Sir William wears a QWI button in the display case behind 1st Vice President Florence Ellerton and President Pearle Yates. Pearle gave a tea for Board members in the lobby of the Centennial Centre.

Madrigal Choir from the Chateauguay Valley to perform at St. Ann's Anglican Church in Richmond on October 13, 1990.

The Madrigal Choir is made up of a group of people from the Chateauguay Valley and northern New York State who enjoy singing and playing musical instruments. Last summer the Madrigal Choir, under the direction of Karl Heinz Pees, enjoyed an extremely successful European tour with capacity crowds attending each concert, often overflowing into the streets and courtyards outside. People even stood in doorways to listen to practices. A Richmond WI member accompanied the choir on their tour and highly recommended them to fellow Richmond WI members.

Tickets will be \$10.00 each and will be available starting September 1. For ticket information telephone (819) 858-2159 or (819) 858-2527.



Safety First

by Elsie Prevost

The Critical Attention Span

The ability to stay accident-free or even stay alive may well

depend on your critical attention span. What is the first thing that you think about after you slide behind the wheel and buckle up your seat belt? Is it a carryover of your previous train of thought? Perhaps it is a collection of facts and dates freshly implanted in your mind or perhaps a financial problem at home. In any case, you automatically set your car in motion and join the mainstream of traffic.

Your attention span has now become critically dangerous and unless you snap out of it, you are a high risk candidate for accident involvement. Other cases contributing to a lack of critical attention could be classified as in-car activity while driving:

1. Attempting to buckle up your seat belt;
2. Carrying on a lively conversation with your passenger(s) accompanied by turning your face away from the windshield;
3. Reading a road map or newspaper;
4. Combing your hair while looking into your rear view mirror;
5. Eating your lunch;
6. The classic one! Disposing of an unfriendly insect.

Driving to work or home or on a very familiar route can cause a deterioration of your critical attention span as you become complacent as to what is going on around you. You have done the route so many times and are not prepared for the unexpected. Your mind wanders to previous events. You miss seeing a dangerous situation - you become trapped in a collision - your critical attention has failed.

Drive like your life depends on it! It usually does!

Article V111 of the New Constitution

Election of Provincial Officers and Conveners

The Executive will appoint a Nominating Committee at the Semi-Annual Board Meeting following the Annual Convention of election year.



Muriel Duffy presents Mme Cecile Labrecque of les Cercles des Fermières with a gift.

Nominations for any provincial office must have been passed at a County Annual meeting and the names with a statement of consent and qualifications forwarded to the Nominating Committee, at least one month before the Semi-Annual Board meeting prior to the Annual Convention of the new election year.

Only vacancies at the time of the Semi-Annual Board meeting will be open for nominations from the floor at the Board meeting. All other offices are closed for nominations.

The slate of nominees with qualifications shall be sent to all branches at least four (4) months before the Annual Convention of the election year.

If more than one candidate be nominated for any office, election shall be made by closed ballot.

To be eligible a nominee for a provincial executive position must have held office in a branch and have been county president or provincial convener, and have attended at least four (4) provincial board meetings. It is understood that the President-elect will move to the office of President.

The Nominating Committee this year is:

Chairperson - Mrs. Eileen Colton, Box 100, Fort Coulonge, Que., J0X 1V0, Mrs. Jeanne Constantine, 1844 Blvd. Valcartier, Valcartier, Que., G0A 4S0, and Mrs. Laurie Walker, R.R. 1, Richmond, Que., J0B 2H0.

Gwen Parker, Chairman of the Constitution Committee, points out that as we are in a period of changeover from the old to the new Constitution and counties have already held their annual meetings, the Nominating Committee are, therefore, accepting nominations as approved by a county executive up until the semi-annual board meeting this fall.

With the Branches

ARGENTEUIL Arundel began the new year in good form by welcoming a new member. **Frontier** and **Upper Lachute East** End welcomed guests at a meeting and several branches enjoyed meals out.

BROME Austin purchased a machine for playing tapes and talking books for the blind; presented a bursary to Jaya Surjadinata, a student at Alexander Galt with outstanding marks in final exams; donated lap rugs to Youville Hospital. Mrs. Burton Shonyo, charter member, and her husband were remembered with a 70th wedding anniversary gift, as well as Mr. and Mrs. Stewart Hopps on the occasion of their 50th. **South Bolton** hosted their county convention as well as lunch for Pierre Paradis, and for Stanbridge East WI who were on a tour. **Abercorn** held a yard sale, two jean sales, and a rummage sale. They sent leftover used clothes to Youth with a Mission in Dunham.

COMPTON COUNTY's major projects are the six C.D., French WI Bursaries and the recent W. J. Hodgeman Agricultural Bursary for which a Compton card party augments the funds as well as a baked bean and salad supper. **Sawyer**ville and **Canterbury** celebrated 75th anniversaries.

GATINEAU Alymer East branch is made up of nine senior citizens. They held seven meetings at which they always collected for Coins for Friendship and donations are made to cancer, Save the Children, and the Royal Canadian Legion. **Wright** took a bus and boat tour and saw a candy and cheese factory. They had a math professor speak on education.

MEGANTIC Inverness is working on four quilts and celebrated Founder's Day stitching on one in the process of being made; donated toward Tiffany Kelso's trip to Forum for Young Canadians; subscribed to Reader's Digest for a patient in Pavillon St. Joseph for World Food Day.

MISSISQUOI COUNTY held a dessert card party, gave a bursary to Lisa Wilson, a student at Bishop's University, held a rummage sale to support local and QWI funds, had a bake table at Townshippers' Day. Various branches donated to the County Ploughman's Association, Historical Society, Hoodless Home and Fountain Fund, local camp for the mentally retarded, Greenpeace, Amnesty International, Brownies, Tiny Tim Fund, 4-H Club and hot lunches for English and French elementary schools. **Stanbridge East** welcomed two new members.



Lynn Gee demonstrates "how to do" in her knitting workshop.



A study in concentration - and fun - in the Paint a Sweatshirt workshop.



Once again, the ladies from Pontiac did a great job one sales table.

PONTIAC Clarendon was busy serving lunches: they sponsored an all-day information seminar with lunch being served for the registration fee, to the annual agricultural meeting and to Beef Day. A collection for their Christmas meeting bought groceries for two needy families and pencils for two school classes. The Coat of Arms for the municipality of Bristol was presented to the community by the Wyman WI.

QUEBEC Valcartier had five members participate in the Annual Fall Fest when they set up an attractive booth and publicized the WI, FWIC, and ACWW. They explained about the See Me Reflectors and the CBC

Wool Gathering project which WI members participate in. Brochures and WI histories were handed out and reflectors and cookbooks sold. Their expectations to recruit new members failed, but ladies you deserve "A" for effort as publicity of that kind is what is needed to have the public aware of what the WI is all about. Who knows: maybe a spark of interest from someone who took time to listen or accepted a brochure will one day flame into becoming a member. One member of this branch is a member of the Quebec Literacy Council; another member had a WI member from England as a guest for a week and this

branch is also recognized by the Conseil de la Santé et des Services Sociaux de la Région de Québec as an accredited voluntary organization. Reflectors, etc., were also displayed at their Labor Day Picnic and fall euchre party. Subscriptions to *The MacDonald Journal* were so-

lited for at the euchre party and three responded.

RICHMOND Melbourne Ridge had a member attend National Farm Women's Conference in Saint John, N.B. Gore presented Muriel Duffy with a Life Membership.

ROUVILLE Abbotsford celebrated their 60th anniversary with a tasty meal from the Motel du Lac restaurant.

SHEFFORD Granby Hill held 10 meetings and five had perfect attendance; prizes were given to Secondary 1 and Level 6 students at Parkview Elementary School for achievement and improvement in Spelling and French.

SHERBROOKE COUNTY gave a Life Membership, sold FWIC cookbooks and the new QWI badges, sent donations to Adelaide Hoodless Fountain Fund, and the Frances Taylor Memorial Fund in memory of the late Edna Smith and Olive Wallace. Ascot and Lennoxville donated to Women Feed the World.

Barbara E. Harvey
QWI Publicity Convener

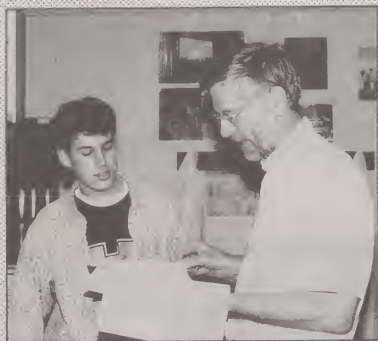


The Chateauguay Valley Glee Club entertained an enthusiastic audience.

Newsmakers

On Campus

Professor Ed Idziak, of the Department of Microbiology, looks over the written report "The Antibacterial Agent of Garlic, Year 111" presented by 16-year-old Tom Davis at this year's Canada Wide Science Fair in Windsor, Ontario. Tom won a bronze medal for his three-year scientific project, a cash prize presented by Shell Canada, and a NSERC prize to spend four months at the University of



British Columbia, which he hopes to use next summer. Tom, who was in his final year at H. S. Billings, has been involved with science fairs since Grade V. As his garlic project, which started in Grade 9,

needed better lab facilities than he had access to, he came to Macdonald and Professor Idziak was pleased to help this promising young scientist. Tom, who is very grateful to Professor Idziak for his three-year support, is spending part of the summer working at a lab in the University of Montreal and will enter an advanced science program at Vanier CEGEP in the fall. He plans a career in medical research.

Over the years Tom has competed in Science Fairs at the Chateauguay-Valley, the Regional, the Quebec Wide, and the Canada Wide levels. He has won numerous medals, trips, and other prizes. Next year, as a winner of the Quebec Wide Science Fair, he expects to travel to Prague. Tom credits his science teacher Brian Visser for encouraging him and other young students to take part in science fairs. He also gives great credit to his mother for her support - and her fridge. He says she can have it back, at least for the summer. As Tom can enter one more year of science fair competitions, the fridge will, no doubt, soon be full of experiments once again!

Off Campus

Irrigation, Drainage and Flood Control in Canada, 1989

by Aly M. Shady
Editor

This is a recent publication that traces the development and achievements of Canada in the fields of irrigation, drainage and flood control.

The publication is presented in 12 chapters. Each was written and edited to provide comprehensive coverage of the specific topic of the chapter to allow the reader to have a fuller picture of the subject without having to cover the entire text.

The text presents subjects of national coverage in the first five chapters. The following seven chapters are devoted to covering the regional aspects related to main topics.

The initial chapter sets out the "Canadian Scene." Here, the national economy is concisely described, as are the primary elements relating to agricultural development, including spatial distribution of agricultural lands, crops produced, yields, soils, climate, and farm economy. All of these factors have had a bearing on the need for, and extent of irrigation, drainage and flood control developments in the various parts of the country.

Chapter 2 describes the water resources of Canada and the country's major water development projects such as hydroelectric and irrigation dams and navigation, while Chap-

ter 3 deals with Canadian regional and international arrangements. This chapter describes various international and inter-provincial agreements dealing with the use and division of inter-jurisdictional waters.



Chapter 4 sets out various environmental and social concerns that generally accompany the development of irrigation, drainage and flood control projects in Canada. Chapter 5 provides details of the status and growth of technical knowledge and practices associated with water resources development in the country. The extent and technical aspects of

continued from page 23)

systems, the economic value of their natural resources and the richness of their cultures, provide a basis for countering forces of destruction. Technical and economic assistance can help them solve nutritional and other problems as they occur. Indigenous people have much to teach us. Their knowledge of the properties of resources such as medicinal and food plants and of alternative ways of adapting to the natural world is part of our common heritage. Clearly their future is our future.



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a number of projects are described, as are the various methods and techniques employed in Canada for dealing with the supply of water to the land, the removal of surpluses, and the protection of the public from flooding. Reference is made to the various scientific, professional, and trade organizations involved in technology development in Canada.

Chapters 6 to 12 provide details of irrigation, drainage and flood control developments in each of the provinces. Information provided with respect to each of these chapters includes descriptions and statistics relating to present projects, projects underway, and anticipated future developments. Legal and institutional arrangements that have been instituted by the provinces and the federal government to sanction and control water resources development have also been described.

The entire text is well illustrated with figures, maps, and photographs throughout. Data and statistics are presented where needed. The text is 309 pages long and is printed in full colour.

For further information regarding this publication, please contact: Aly M. Shady, Chief, Irrigation Section, Canadian International Development Agency, 200 Promenade du Portage, Hull, Quebec, K1A 0G4.

Editor's Note: Aly M. Shady, received his MSc degree at Macdonald College in 1973.

RUSELL E. DUCKWORTH, BSc (Agr)'51, is Chairman of the new restructured Farm Products Marketing Commission of the Ontario Ministry of Agriculture and Food. The restructuring of the committee is to help the various sectors at the industry work together to face the economic challenges brought about by the Canada/U.S. free trade agreement, the upcoming GATT negotiations, and changing consumer demands.

DR. CHESLEY SMITH, BSc(Agr)'54, is the director of a new potato development direc-

torate in the N.B. Department of Agriculture. The directorate is working with industry in developing new policy and a strategic plan aimed at achieving sustainable development and expansion. It will also be responsible for cooperating the plant propagation centre in Fredericton, the seed farm at Bon Accord, and the seed inspection program, and to work with the Potato Development and Marketing Council in devising new policies and programs for the industry.

DR. BRIAN KENNEDY, BSc(Agr)'65, MSc(Agr)'70, from the University of Guelph, is a member of a new Ontario Ministry of Agriculture and Food Swine Genetic Strategy Task Force.

JEAN-YVES LOHE, BSc(Agr)'74, is the new President of the Canadian Horticulture Council. He was the first president of the Federation des producteurs maraichers du Quebec and is currently president of the Co-operative d'oignons de Sherrington.

ALISTAIR McKINVEN, Dip'77, and his wife Julie are the proud parents of their second child, Ryan, born on February 16, 1990, a brother for Meagan.

DAVID HUGHES, BSc(Agr)'79, a management consultant, has been named chair of a federal government task force affecting the Canadian canola industry.

LINDA REDMOND, BSc(Agr)'82, EDDIE ST. GEORGE, BSc(Agr)'83, and daughter Danielle, have left Macdonald for Lethbridge, Alta., where Eddie will be working with Agriculture Canada.

YVES CHOINIERE, BSc(Agr)'84, is a member of the new Ontario Ministry of Agriculture and Food engineering resources unit which is made up of 12 engineering specialists, responsible for specific subject areas. Yves is in Alfred and his subject area is farmstead planning/health and safety.

DANA PATTERSON, BSc(Agr)'84 has joined his brother ERIC PATTERSON, BSc(Agr)'79 on the family dairy farm at

Wolfville Ridge in the Annapolis Valley. Dana had been working for Shur Gain.

JOYCE HEALEY, BSc(FSc)'89, is studying for her MSc in Sciences in Consumer Studies with a Food Specialization at the University of Guelph.

Congratulations to the Class of '90. We hope you have successful lives and careers and that you keep in touch with us here at Macdonald. Some grads have been in touch already. Of the Dips who graduated, DANNY ANDERSON has returned to the home farm in Howick. Others returning to the home farm are: JAMES BARTON; ANDREW GRUER home to Ormstown, ROBERT KYLE, who graduated with distinction and was awarded the Director's Prize, is going home to Sherrington, PHILIP LAVOIE to Les Cedres, DAVID RANKIN to Huntingdon, SERGE TOUGAS to Pike River, and ERIC VINET to St-Remi. AHMAD FAREKH is working for his father in their import-export business. Two are at present with DHAS: Sylvain Leroux, St-Placide, and Andre Neveu, Rawdon. Bruno Breault, from Rawdon, tells us he will be working with Jean-Jacques Gauthier in St-Liguori. Walter Schachtler, from St-Isidore, was all smiles as he took off for an extended working visit to Switzerland.

Some of the Food Science graduates tell us of interesting careers: RENECK CAYEN goes to Cuisine Nature in Dorval; DANNIA FAFARD will be going to Granby, Que., with Metarom; MARTINE LEVESQUE is with Sealtest-Ault Foods in Montreal.

Varied careers for those graduating with a Nutritional Sciences degree: PATRICIA BERGERON is joining the Medisys Health Group in Montreal; JOSEE BERTRAND is at the Queen Elizabeth Hospital in Montreal; IMELDA CERNERO is at the Royal Victoria Hospital; FRANCE COUTURE is at the Jewish General Hospital; MILDA GRAHAM is going to the St. John's Rehabilitation Hospital in Willowdale, Ont.; ANNE-MARIE HALLEY is returning to Newfoundland to a position in the Dr. G.B. Cross Memorial Hospital in Clarendville; ISABELLE

LALONDE is with Sandoz Nutriton in Dorval; SOPHIE PROVOST is with Groupe La Cantinière; JULIA RICHARD is with the Jewish General Hospital in Montreal; MARYSE THERRIEN is with the North Country Hospital in Newport, Vermont; CHERYL WEISS is with the Royal Victoria Hospital and the Julius Richardson in Montreal.

Continuing their studies at Macdonald are: RACHELLE BROSS, NATHALIE GOYETTE, DONNA SCHAFER, SUSAN ROBERTS, while BRIGITTE BEDARD will be going to Laval for Communications.

BSc(Agr) grads tell us of interesting positions in Quebec and elsewhere: MAURICE BASQUE is with the N.B. Department of Agriculture in Tracadie; GARY BELANGER is sales representative for Concentré Scientifique Belisle Inc. in St-Hyacinthe; HELENE CHRETIEN is with Monsanto Canada in Mississauga, Ont.; NANCY LAMOTHE is with Centre Agricole, St-Clet; RONALD LAURIN is with Entreprise de Construction BIM, Inc.; LOUIS LE BLANC is with Ayerst, McKenna, Harrison in St-Laurent; GUY MORIN goes to the Bank of Montreal in Hawkesbury, Ont.; MICHAEL PATTERSON is with Renewable Resources at Mac; SYLVAIN PERRAULT to Luc Brodeur in Ste-Angele de Monnoir; ALAIN ROBILLARD is with the Coop in Ste-Rosalie; JEAN HUGHES RUEL is with Comax Coop Agricole in Ste-Rosalie; DANIEL SAVOIE, is with the N.B. Department of Agriculture in Bathurst; PATRICE SCHOUNE is returning to the farm in St-Polycarpe.

Continuing their education are: VICTOR ADAIME studying for a MBA at McGill; RICHARD CEME who is going to Concordia; ERIC CHAINE and GABRIEL PERRAS will continue studies at Macdonald; VINCENT LAFFITTE studying Agricultural Economics at the University of Guelph; JEAN-MICHEL VALIQUETTE is pursuing his MSc in Plant Science.

Agricultural Engineers have found positions or furthering their studies: DIANE ARJOON

continues studies at Macdonald; STEPHEN CLARK is with Innogtag Inc., in Rigaud; SUSAN FOURNIER will continue studies at the University of Alberta; JOHN HEBERT is with P. Ryan & Associates in Mont Laurier, Que.; DENNIS LIGHTFOOT will continue studies at McGill; REMY LEVESQUE is with C.D. Howe Est Ltee., in Montreal; DAVID MURPHY is with Kraft General Foods in the Town of Mount Royal; NORMAND ZEMANCHIK continues in Engineering at McGill.

Those with their MSc are: IAN ARMOUR continues at Macdonald; TIMOTHY BROWN, with Agriculture Canada in Hull; MARC DROUET goes to Noranda Technology Centre in Pointe Claire, Que.; ELIZABETH GAUTHIER, with Agriculture Canada in St-Hyacinthe; KATHERINE HUNT goes to Clemson University in Clemson, South Carolina; BRUNO MARTY continues studies at Macdonald; BERNARD POLIQUIN with Developpements Jayea in Montreal; GEORGE SCHELL is with Ecological Service for Planning Ltd., in Guelph, Ont. RICHARD STAHL is a Research Assistant in Plant Science; NEILDA STERKENBURG continues in Plant Science at Macdonald.

PhD graduates on the move: RALPH MARTIN to a position at NSAC; JOHN RHEAUME as Nutritionist with DACO Laboratories in Stratford, Ont.; GENEVIEVE TANGUAY to the Association of Universities and Colleges of Canada in Ottawa.

Deceased

E. PATRICIA (HOLLIDAY) TAIT, of Ottawa, Ont., on April 15, 1990.
JACK BRADY, Dip'38, of Canning, N.S. No further information.
JANET (SLACK) SALE, BHS'42, in Too Woomba, Queensland, Australia on May 14, 1990.
T. KEITH MURRAY, BSc(Agr)'48, MSc(Agr)'50, PhD'57, of Stittsville, Ont., on January 21, 1990.
HAROLD F. STAIRS, BSc(Agr)'49, of Fredericton, N.B. No further information.

SINCLAIR P. ELLIOTT, BSc(Agr)'50, of Melvern Square, N.S. Date of death unknown.

HUGH F.M. JEFFERS, BSc(Agr)'58, MSc(Agr)'60, PhD'63, of Barbados in November 1987.

MARILYN (FINDLAY) MacDONALD, BSc(HEC)'59, of Montreal, Que., on May 20, 1990. Marilyn MacDonald was a lecturer in the School of Household Science in the 60s where she taught Foods.

W.J. ALAN PHILLIPS, Dip'59, of Hampton, Ont. No further information.

PROFESSOR JOHN HERRICK ANDREWS, of Madison, Wisconsin. No further information.

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Keeping in Touch

Recycled - Not Retired

Along with a renewal to The Macdonald Journal, Emile "Bill" Duyvewaardt, BSc(Agr)'48, filled in a short questionnaire and said he was a recycled retiree. A curious editor asked what exactly a "recycled retiree" was. Here in part is Bill's reply:

I started using the word "recycled" when I was asked what I was doing after I retired from secondary school teaching in the Chilliwack area of British Columbia. I quickly became unwilling to be labelled a retired teacher as within a month I was re-employed by the Abbotsford School District as a substitute teacher in their immersion French and cadre French classes.

Going back to my days at Mac, I remember doing some of the early soil survey and leaf leachate work for the Morgan Arboretum. I started a Macdonald Ski Club during the winter of 1945-46 and in the summer of 1947 I was involved in the construction of the tennis courts by the waterfront and a canteen in the basement of the men's residence.

It was through a "Mac" friend Peter Johnson that I met my future wife Belinda Taylor, a McGill Physical Education student - of Kelowna, B.C. Peter, by the way, started at Macdonald in 1944 but dropped out to become the Men's Senior Dominion Downhill ski champion. We met during the summer of 1946 when I had a summer job with the Okanagan Valley Land Company. I was in the good company of Oswald (Ossie) Fraser and Frank MacLeod - also '48 grads - as we all worked for the same company.

I got a secondary school teachers diploma at UBC and thus started a close association with public school education from 1955 until 1986.

Many times I was most appreciative of my courses at Macdonald College. I still have a few of my first efforts at meeting Professor Avison's requirements in first year English classes, and I enjoy reviewing his comments and attempt to continue the help he gave me in coming to terms with the English lan-

guage. I also completed my M.Ed. at the University of Washington in 1964.

Since leaving full-time classroom teaching, I have been helping French as a Second Language teachers use video cassettes.

Emile "Bill" Duyvewaardt, BSc(Agr)'48 Kelowna, B.C.



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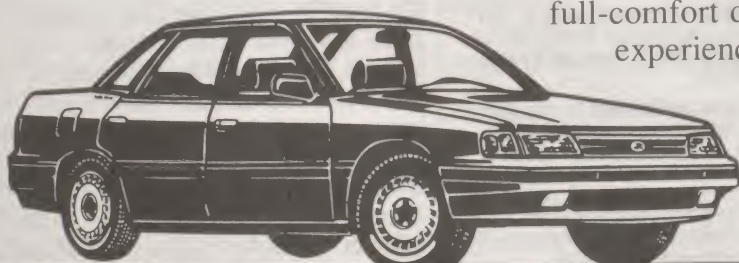
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The Roy J. Blair Endowment Fund

In late June of this year the Blair Farm in Rockburn, Que., was sold by Macdonald College of McGill University. All monies from the sale have been placed in the Roy J. Blair Endowment Fund for Macdonald College.

It has been said:

"A man does not plant a tree for himself, he plants it for posterity."

Such a man was Roy J. Blair, who farmed all his life in Rockburn, and at the age of 45 planted five acres of sugar maples in furrows at five-foot intervals with seedlings from his sugarbush. He was proud of those five acres, and he was proud of the close to 35 acres of old growth sugar maple containing some trees nearly three feet in diameter, 90 to 100

feet in height, many of them at least 50 years older than he. In another woodlot large-crowned butternuts were a tribute to his great interest in reforestation.

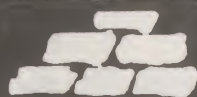
Roy Blair's grandfather purchased the farm in the year of Confederation: 1867. The stone farmhouse on the property dates back to 1848. The original farm was 135 acres; Mr. Blair later purchased more land for a total acreage of approximately 376. From this farming background he went to McGill and graduated with a Bachelor of Arts from the University in 1914. He became a student in graduate school from 1915 to 1916. He was a non-conformist and an innovator, always trying out new ideas that have since become accepted use.



In 1960, at the age of 70, Roy Blair wrote to Macdonald College informing the officials that he was preparing to turn his farm over to the college. He died in April, 1973, the estate was settled in 1975, and since then several capable managers with guidance from the Blair Farm Management Committee maintained the farm. They worked the sugarbush each spring. The land was marginal. They ploughed, disced, harrowed, and planted. They were as innovative as Roy Blair, but the farm continued to be a financial burden for the university. Roy Blair's legacy to Macdonald College deserved a better fate, and earlier this year the Board of Governors of McGill University approved the sale of Blair Farm.

On June 28, 1990, the Chateauguay-Valley farm was sold to neighbours. The new owners, Gabriel and Paul Gibeault of Verger Gibeault Inc., already have a sugar bush, apple orchards, and thousands of young evergreens. They plan to continue using the Blair Farm sugarbush and to plant trees on most of the rest of the property. Blair Farm will serve a useful purpose, as it should, and Macdonald College will benefit from the Roy J. Blair Endowment Fund, as he wished.

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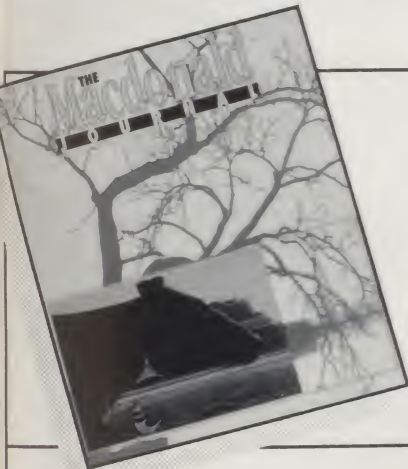
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